

## PROSPECTS OF VALLEJO;

OR EVIDENCES THAT

## VALLEJO WILL BECOME

## A GREAT CITY.

A re-publication of a series of articles originally appearing in the Vallejo Evenino Chronicle, from March to July 1871,

VALLEJO: CHRONICLE STEAM PRINTING HOUSE, 1871.



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#### OF VALLEJO. PROSPECTS

#### INTRODUCTORY.

We propose to consider the prospects of Vallejo in a series of articles; but, as the subject is not new, we shall refer briefly to those points which have heretofore been fully discussed and give more space to points which have not been made so familiar to the public. Even if we should repeat something that has already been animate to the punct. Even it we sould repeat contenting that has already over said, or said more forcibly or elegantly, we shall still expect lenient criticism from the citizens of our town who believe in its future greatness and wish to lay the reasons of their belief before others. Lenient criticism, however, we expect only for saying what has been said before; not for any carelessness in our treatment of the subject, and still less for any casageration of the absolutor or relative advantages of Valkijo. On the controry, we request the reader to examine all our statements and arguments with critical scrutiny. The facts and reasoning which we shall adduce are not the exclusive property or in the exclusive possession of any-body; they are open to all—and the facts, if true, can be verified, and the arguments, if unsound, can be controverted by thousands of persons. We have not the least desire to mislead the ignorant or the inconsiderative, for we know that by so doing we should gain nothing for ourselves or for Vallejo. Of course, we do not pretend to infallibility of judgment. We may over-estimate the influence of some facts and under-estimate that of others; but we doubt not that time will prove the general soundness of our views.

### THE ADVANTAGES OF OUR TOWN.

The natural situation of Vallejo is unsurpassed on our coast for general commercial and manufacturing business. The harbor is five miles long, a quarter of a mile wide, and thirty feet deep at low tide, with excellent protection against winds and unsurpassed holding ground. This gives abundant room for a great commerce; but in case of need the contiguous harbor of Benicia, three miles long and half a mile wide, can be used in addition.

This harbor is at the head of navigation for large ships, and as these furnish our cheapest transportation, in so far it is preferable for the import and export trade. The harbor is conveniently accessible from the ocean. The channel is think the fattor convenience accession run to occasion the control of the control

Europe.

The shores of San Francisco Bay and its tributary waters are high, recky bluffs or shallow mud flats, except at Vallejo, which is the only point where the deep channel comes near to a wide extent of level uphand—and it is, therefore, the only good natural scaport site on these waters, the only good natural scaport site on these waters.

The site of Vallejo is partly an extensive plain, and partly gentle sloping hills, with space enough to accommodate hundreds of thousands of inhabitants. The water front, counting both sides of the harbor, is ten miles long, and on a considerable part of it the solid upland comes down very near to the deep water, making the best natural water front in the State. The town has nine wharves reaching to deep water, built at less expense than any equal number in San Francisco, and at less expense than an equal number could be built on the unoccupied part of the water front of either Oakland or San Francisco.

Vallejo is fitted by nature to be a railroad centre. Level routes run out to the north, northwest, northeast and east, the two last directions being those from which the chief trade of the State and of the remainder of the continent comes to San Francisco Bay. Oakland has no secure natural harbor accessible for large

vessels, and San Francisco is practically inaccessible by rail. Sacramento and Marysville, through which come the Middle Pacific and Oregon railroads, are only half as far from Vallejo as from Oakland by rai

The vicinity of Vallejo, including the valleys of Napa, Sonoma, Petalnma, Russian River, Green, Suisun, Vaca, Berryessa, Clear Lake and Calle Creek, is

in its agricultural resources the richest part of the State.

Whenever fresh water is introduced in large quantity and at low price, as it can be better than at any other town on deep water in the State, Vallejo will have the best site for manufacturing on the coast, taking into consideration its railroad and shipping facilities, and its proximity to the markets and to the supplies of fuel and raw material of home production.

Vallejo having brackish and nearly fresh water in its harbor, has none of the

ship worms which ruin the wharves at San Francisco and Oakland and prevent the storage of timber in the water there. Shipbuilders want to work in a place where they can keep large stores of timber affoat in the harbor without danger of injury from worms.

The foundation of the town site being solid, earthquakes are rarer and less severe than at San Francisco-brick buildings will be more numerous proportionately; there will be less danger of great fires, and insurance will be cheaper.

The natural excellence of the water front, and the low cost of building and In natural execuence of the water front, and the low cost of usuang and maintaining wharves, makes Vallejo practically a free port; and import and ex-port business will be done here more cheeply than any other point in the State. Though it as yet possesses few warehouses, no resident importing or exporting merchants, or wealthy bankers, and few conveniences for large commercial busi-ness, it has already become one of the chief seaports of California for exporting

grain, and it is increasing in foreign trade rapidly.

The advantages of Vallejo have been recognized by capitalists, who have built and purchased a system of railroads to terminate here. These roads run to Sacramento, Marysville, Calistoga and Healdsburg, with an aggregate length of 185 miles. At Sacramento and Marysville the Vallejo roads tap the Middle Pacific and Oregon railroads; and preparations are being made for the construction of nearly 1,000 miles additional road to Oregon and Salt Lake, so as to eatch the entire Eastern and Northern traffic. Vallejo has, or soon will have, close connec tion with every working passenger railroad in the State, save the Los Angeles, which is only 25 miles long.

#### THE GROWTH OF VALLEJO.

Vallejo has not grown so much in the last two years as many of its friends anticipated; yet it has grown rapidly and steadily. Ten years ago, at least twentytwo other towns in the State had a larger population; now only six exceed it. In 1860, the number of inhabitants was 1,431; in 1870, 6,392—an increase of 346 per cent.,-a larger per centage than in any other town of the State, save Oakland, in the same period. Most of the growth has been made within the last four years. A comparison of the number of votes cast in 1860 and 1867 showed an increase of less than 50 per cent. in seven years, whereas a similar comparison between 1867 and 1869 showed an increase of 62 per cent. in two years.

Although the advance of our town since the eventful "driving of the last spike" in the Pacific Railroad has been slower than we anticipated, yet Vallejo has not alone suffered by the depression. In no town of California have the prices and the demand for land been sustained better relatively than here, and no where

else is confidence in the future stronger.

The last two years have rendered ns many services—the benefits of which are yet to come. The public mind has been enlightened as to the natural advantages of our situation, and it is now generally admitted that the main commercial, financial and manufacturing business of California could have been done here cheaper and more satisfactorily than on the peninsula of San Francisco. It is a common opinion that the present metropolis cannot become a railway centre, and that a large part of its business must be transferred to some other place at no distant Doubts are entertained as to whether Vallejo, Oakland, or Benicia will succeed in securing the bulk of the trade that is to leave San Francisco, but our town is considered to have, at least, an equal chance. Numerous plans have been discussed for crippling our railroads, but all have been abandoned. We have now a net-work of roads, and this is their permanent terminus. Vallej has become the main outlet and seaport for the fertile and extensive country north of San Pablo Bay and west of the Sacramento river, and her chances for rising to the first position among the cities of California are steadily improving.

#### PAST PREDICTIONS.

In asking our readers to consider predictions of the future growth of Vallejo, it is proper to consider the predictions made and the anticipations entertaint regard to the progress of our town within a few years past. And first we shall call attention to the predictions made in a pamphiet called "The Future of Vallejo," and the prediction smale in a pamphiet called "The Future of Vallejo," and the prediction smale in a pamphiet called "The Future of Vallejo," and the prediction of the predicti

#### REALIZATION AS TO RAILROADS.

The pamphlet predicted that Vallejo would grow rapidly—that it would become the terminus of an important railway system, and that it would take foreign commerce from San Francisco. So far, the realization has been complete. The cars now run every day to Sacramento, Marysville, Vacaville and Calistoga, land work has been commenced on the road to Petaluma, there to connect with Headsburg; and the surveys for a road to Red Blaff are under way. Our railroad system has not exercised so much influence in building up our town as was predicted; but the disappointment is not final, nor is the delay in the fullifluence of our hopes chafgeable to any lack of natural resources, but to the development of a rival railroad system which has been built by the aid of public money, and has taken away trade that should have come to us, and will, we believe, come to us in the future.

The superiority of the route of our main line is impliedly admitted by the Central Pacific Railroad Company, who, after satisfying themselves that they could not buy out the California Pacific Railroad, have announced their purpose to build a line in the same general direction to compete with it. The Vallejo roads have not only the best local trade in the State, but they tap the main transconti-

nental and coast lines.

It had become evident in the Spring of 1898 that the Central and Union Pacific Railroads would be completed, but many persons supposed that the West-ern Pacific would not be, for the reasons that the Yallejo route was decidedly superior and the road would be finished in advance; and that the company which superior and the read would be finished in advance; and that the company which until nearly a year and a half later that the Western Pacific railroad was finished. By its completion much of the trade that would otherwise have come to Yallejo was diverted. The Central Pacific Railroad Company used all their influence to prevent passengers bound across the continent from coming this way. Besides, properly the pacific Railroad Company was not until lately strong enough financially for the work which it undertook to do, so the rocal "and not put into first rate condition."

#### REALIZATION AS TO SHIPPING.

One or two cargoes of wheat were shipped from Vallejo about ten years ago, but the enterprise was not profitable enough to justify a repetition, and therefore our wheat had for six or eight years been sent in schooners to San Francisco

there to be loaded for the Atlantic. In the crop year of 1868-69, four ships came to Vallejo to load for Liverpool; in the next year, 33; and in the present year, so far, 33. This year we have shipped 34 per cent, of all the wheat exported; last year we shipped 16 per cent., and the year before that 2 per cent.; and the preced-

ing year none.

Besides establishing the business of exporting wheat, we have commenced to import lumber for reshipment by land and water. On account of having deep water and cheap wharves, lumber from Puget Sound and the lumber ports of Humboldt and Mendocino counties can be landed here for 75 cents less per 1,000 feet than in San Francisco, and so the interior dealers who want coast lumber come to us in preference, and the lumber is sent by the cars and schooners to Woodland, Davisville, Marysville, Sacramento, Stockton and minor places.

The state of the s provides that instead of a surveyor of the port, a deputy collector shall reside at Vallejo.

#### SAN FRANCISCO NOT A TERMINUS.

It was predicted three years ago that San Francisco would not become a railway centre, and that it would be injured by the establishment of a railway system. The roads have been built and the predictions have been verified. San Francisco has no secure hold on the terminal business of any railroad in the State, save that from San Jose; and such insecure hold as it has is due not to its own strength, but to the weakness of its rivals, which are not prepared to do a general importing and exporting business.

It is proved that San Francisco is not a terminus for the Southern Pacific railroad south of San Jose, by the fact that the wheat trains from Gilroy run not to San Francisco, but to Oakland. The transportation to the latter place costs less because the grade is better, and the shipment there is cheaper because the cars run to the ships and there are no port charges. The advantages of shipping wheat from the San Joaquin Valley at Oakland are still stronger than in case of

that from Santa Clara

It was predicted that the real struggle of the future for the foreign commerce of San Francisco bay, would lie between Oakland and Vallejo. The prediction is now rapidly approaching verification. The commercial importance of the city of San Francisco has entered upon a rapid and inevitable decline. In proportion as her rivals can add to their present scanty facilities to accommodate shipping, they will take the importing and exporting trade to be done through the Golden Gate.

## COMPETITION OF VALLEJO WITH SAN FRANCISCO.

We cannot "write up" Vallejo without showing up the disadvantages of San Francisco, and as such a course appears to some persons unnecessary and incxcusable, we must explain and justify it. We mean no falsehood, no injustice to any place or person, no injury to the State; we propose to set forth fairly the relative advantages of the rival places as we understand them; and if in spite of our desire to be just, our exposition should misrepresent San Francisco, our errors can be discovered by business men, to whose judgment we appeal, and can be exposed by other public journals. San Francisco bas newspapers which can defend her and advocate her interests. Such discussions are necessary for the proper management of business, and she has no right to claim an exemption.

If Vallejo has the superior advantages which we claim, and if in consequence thereof she can do the metropolitan commercial, financial and manufacturing business of the State cheaper than any other place, it is to the interest of the State that those advantages should be known as soon, as generally and as thoroughly as possible. A decrease in the expenses of our importing and exporting business is equivalent to an increase in the income of our producing classes and of our State

at large.

Our opposition to San Fransisco is that of honorable emulation. We recognize her as a great city, one of the most splendid productions of our fertile contury-rich, enterprising, generous, enlightened, liberal, eminent in the useful arts, second to none in refinement and intelligence, and unequalled on our continent in resources for social enjoyment. She contains one-fourth of the population and one-half of the wealth of the State—and every Californian has just reason to be proud of her; yet we hope that Vallejo will succeed her as the metropolis, and will be a worthy successor, richer, more enterprising, more generous. This hope may appear wild and its expression absurd, but its realization would, at any rate,

mean no loss to California.

mean no toes to various.

The decline of San Francisco is not indispensable to the prosperity of Vallejo.

Our town has now 7,000 inhabitants, and it might grow much without taking business away from any other place. As a general rule the growth of a town is a benefit to the adjacent country, and San Francisco has undoubtedly been benefitted by the prosperity of Sacramento, Stockton, San Jose and Petaluma. Vallejo might obtain a population of 20,000 without injuring any rival town. California has an area as great as that of Spain, and resources for agriculture, mining, mannas in area as great su tast or span, and resources or agriculture, maning maintendres and fisheries at least as good, and having more intelligence and cuterprise among her people, could support at least 7,00,000 inhabitants as well as Spain does 14,000,000, but if our State had only 1,200,000 inhabitants instead of half that number, Vallejo could scarcely 2all to have 30,000, even if San Prancisco should regain her former monopoly of foreign trade and should grow to double her present size.

But we do not believe that Vallejo will be a minor city in California, and we perceive no good reason why we should not state our opinions frankly. We claim that she will take away the foreign trade from San Francisco, and we cannot prove the soundness of that claim without calling attention to the disadvantages of our rival, and predicting that she is destined to lose the larger part of her revenues now derived from her position as the chief seaport of the State. Whether she can replace them by revenues from other sources, (as Philadelphia when she lost the largest share of the foreign commerce of the United States, changed her base and became the chief manufacturing city,) is a matter which does not come within

the range of our present purpose to consider,

#### THE QUESTION ONE OF RELATIVE STRENGTH.

It would be useless to attempt to show what the future of Vallejo will be, by It would be useres to attempt to show what the tuture or valed year of the property and the property and the property attempt to the wakeness of her competitors. High excellence of harbor, location, site, water front, chimate, soil and railway facilities, would be of little value to her for foreign commerce, if another town not far off were still better provided in all these respects; nor would poverty of resource in many of these points prevent her from attaining greatness if all her rivals were still poorer. The consideration of the prospects of Vallejo includes an examination of the resources of all the towns that are now or will probably become her competitors; and any discussion of the subject without a candid statement of all the main facts would be unsatisfactory to the intelligent. and would mislead the ignorant,

#### INJURY DONE TO SAN FRANCISCO BY RAILROADS.

The topography of California will make railroads much more important here, relatively, than in the Atlantic States or in Europe. Only a small proportion of our people live west of our coast mountains, and we have few bays, navigable rivers, or favorable sites for navigable canals; so we must depend mainly upon railroads for our transportation; and they must exercise a great influence on the course of trade and on the growth of our towns. The influence of the railroads already built, on San Francisco, has been so injurious that it has attracted attention throughout the civilized world. It was not a little temporary check, confined

to a few branches of business, but has extended to the whole city, and has now continued for two years, with no prospect of improvement for a couple of years more, and none that we can see even after the lapse of that period.

#### DECLINE IN THE VALUE OF LAND.

The market value of the real estate of San Francisco was \$200,000,000 in Mey. 1869; and the depreciation since then, has been, at our estimate, about \$400,000,000; or 29 per cent. This decline is mainly due to the fact that the people have lost heir confidence in the future of the place; they are straid the railroads have destroyed its commercial position; and the lack of confidence increases as time passes. The money already lost by the decline would have been sufficient by build railroads from San Francisco to Vallejo by way of Saucelito and Oakland; and though the decline has not yet come to an end, the capitalists still make no move.

There is room for difference of opinion in regard to the total decline in the value of San Francisco real estate within the last two years, and the real estate dealers there, who are best qualified to express a correct opinion, are also interested to concend the facts, for publicity tends to scare purchasers and reduce the number of transactions. Several of them, however, with whom we have conversed confidentially, think the depreciation since May, 1850, is not less than \$50,000,000.

Others, no doubt, would put the figures much less.

The chief decline in valuation has been in the outside or remote lands, and in many cases it has been as much as 75 per cent. Some of the inside property has declined fr.m 10 to 25 per cent., and there are a few places where, on account of changes in the course of business, and the construction of rutinous or public following passage from a San Francisco letter to an interior paper, published in October, 1869;

One of the most signal instances of decline is in the land of the South Sau Francisco Dock Company, which owns several hundred acress of water lots at Hunter's Point, the best unoccupied water front, and if the city were destined to grow rapidly, the most desirable for speculative investment. This land rose in value from 1865 to 1869 at the rate of about three per cent, per month, and for the last two years has fallen at about the same ratio. We are told that the decline in real estate was due to over-speculation, but when we look back we find that the in real estate was due to over-speculation, but when we look back we find that the reached the summit of the Sierra at the western end, nor half-way to the summit of the Rocky Mountains at the eastern, and when the completion of the railroad across the continent was generally supposed to be remote if not doubtful; so remote that its influence was not felt in the real estate market of San Francisco. Upon that point we speak from personal knowledge.

The land speculation of 1869 was excessive mainly because the completion of the milrod was an injury and not a benefit to Sun Francisco; and the present depression is due largely to an opinion that the city never again will grow as it did from 1860 to 1869, and that much of the business now done here will be transcerred to some other place as soon as facilities for transacting it are provided. If the Pacific Railroad had added 20 per cent. to the value of San Francisco instead of taking away 20 per cent. from 14, and if there were to be a steady increase, we

## should not say now that the people there overdid land speculation in 1868.

DECREASE IN LAND SALES.
 Another significant evidence of the seriousness of the back-set, is found in
the amount of the sales of real estate in San Francisco. These amounted to

9.3000,000 in 1866: \$17,0000,000 in 1867: \$27,000,000 in 1868; \$28,000,000 in 1868, \$47,000,000 in 1870. The are ∞ monthly sales were \$1,47,000 in the first and \$1,442,000 in the second half of 1867; \$2,384,000 in the first and \$2,200,000 in the second half of 1867; \$2,384,000 in the second half of 1868; \$3,457,000 in the second half of 1868; \$3,457,000 in the second half of 1868; \$3,457,000 in the first and \$1,487,000 in the second half of 1868; \$3,457,000 in the second half of 1868; \$3,457,000 in the second half of 1868; \$4,457,000 in the second half o

were only \$678,000, less than those of any other month since 1865.

The anount of sales in 1871 may seem very large to people in the old cities where land appendiation is not a prominent branch of business, but we see that less is being done in San Francisco now than five years ago, in which interval about 5000 houses have been built and 30,000 inhuses have been added to the population. At first the decimo in real estate was attributed to a stringency in the money market, but near hard stringency awas observed was confined mainly to dealers in real estate who found themselves growing poor instead of rich. Money is abundant now, and our banks get about the same rates for loans as those charged by banks in Chicago and New York. The San Francisco Bulletin of January 10, 1871, in its financial review for the year 1870 says: "The supply of money has been generally in excess of the demand, notwithstanding a slight modification of the rates of interest, while at no time has there been a real stringency."

#### LOSS OF SHIPPING.

If we examine the shipping statistics we find that the vessels arriving from American ports on the Atlantic, in San Francisco aggregated 119,000 tons in 1802, and 114,000, 131,000, 138,000, and 83,000 year by year down to and including 1870; and 114,000, 180,000, and 83,000 year by year down to and including 1870; and the vessels leaving San Francisco for American ports on the Atlantic, measured for the same years 23,000, 16,000, 21,000, 27,000, 32,000, 43,000, 55,000, 24,000 and 11,000 respectively. The inferiority of the departures to arrivals is due to the fact that the American veesels go home by way of Peru, China and England, perceive here that fewer ships arrived from and departed to American Atlantic ports in 1870 than in any year since 1862. The San Francisco Commercial Herald in its annual review comparing the figures of 1870 with those of the previous year, says: "It will be seen that there is a decrease of 55 per cent. in the number of departures for domestic Atlantic ports, caused by the fact that the Pacific Railroad is doing a share of the trade previously passing around the Horn." Before 1870 the California Steam Navigation Company paid \$2,000 per month for the nse of Broadway wharf, but in that year, in consequence of the decrease of basiness, the Harbor Commissioners reduced the rent to 1,000. These figures are full of meaning. Probably no city in the United States has so large a proportion of empty houses. The Federal census, taken in June, 1871, found 2,003 empty honses, and the number is now larger and is estimated at 3,000. The total number of houses, according to the census figures, is 25,266, but according to the City Directory is 18,659. The former number probably includes sheds and onthouses; but assuming that it is correct, it implies that one-eighth of the houses are unoccupied; if the latter figure is correct, one-sixth are unoccupied.

#### THE RAILROAD SYSTEM OF CALIFORNIA.

The railroad system of California is new, having been commenced, it may be said, in 1898, previous to which time there was no access to deep water by rail and no long line of rail communication anywhere. It is as yet far from completion, but it already exercises great influence and is rapidly extending. It has two main divisions—the Central Peafic and the California Peafic.

#### THE CENTRAL PACIFIC.

The Central Pacific as part of the California railroad system consists of the following roads:

1. The original or main trunk Central Pacific, from Sacramento to the State

line, 133 miles. The company runs the line to Ogden, 743 miles from Sacramento,

and the road gives communication with the great railroad system of the Eastern States.

2. The Western Pacific, from Oakland to Sacramento, 135 miles.

3. The San Jose branch of the Western Pacific, from Niles to San Jose, 18 miles

 The Alameda branch of the Central Pacific, 6 miles.
 The San Joaquin Valley Railroad, finished 20 miles, from Lathrop to Modesto, and projected 300 miles to Visalia. 6. The California and Oregon Railroad, finished 105 miles, from Roseville,

on the Central Pacific main trunk, to Selma, on the Sacramento river, and projected 227 miles further to the Oregon line.

The Sacramento Valley Railroad, from Sacramento to Folsom, 20 miles. The El Dorado road, from Folsom to Shingle Springs, 25 miles.

9. An air line road from Sacramento to Oakland, 80 miles.

Thus the lines of the Central Pacific Company in California measure 641 miles of completed and 982 of projected road. The business of the Central Pacific Railroad Company is managed with much secrecy, but it is generally

supposed that the stock is nearly all held by Leland Stanford, Charles Crocker, C. P. Huntington, Mark Hopkins and E. B. Crocker. The Southern Pacific Railroad Company has 80 miles of railroad finished, from San Francisco to Gilroy, and proposes to build 640 more, from Gilroy to Fort Mojave, on the Colorado river. It also proposes to build a branch of 324 miles from Tehachepe Pass by way of Los Angeles, to Fort Yuma, and another branch of 45 miles from Gilroy to Salinas. The Directors of the Company are Lloyd Tevis, Leland Stanford, Charles Crocker, C. P. Huntington, Mark Hopkins, Charles Mayne and Peter Donahue, the same persons having a majority in this Board and in the Central Pacific.

#### THE PROPOSED AIR LINE.

The surveys for the projected air line road from Sacramento to Oakland were commenced in September last, are not yet completed, and the surveyors have not yet determined whether they shall recommend the crossing of the outlet of the Sacramento basin at the Straits of Carquinez or at the head of Suisun Bay. any case there must be two bridges-one over the Sacramento river, near Sacramento, and the other over the united waters of the Sacramento and San Joaquin. The Railroad Gazetteer, published in the interest of the Central Pacific Railroad Company, at Sacramento, in its number for last November said:

In the prescrition of the survey fund for, it has been ascertained that the idea he, force venteration that it is impracticable to build a road across the lands, without incurring enormous regence, is a mistaken one. It is found that at depth of a for feet below the mad and come of the contract of the

Benicia would be the better place to cross, because the banks are high there and steamers and small sailing vessels could easily pass under the bridge whether it had a draw or not; and if the crossing should be fixed there the Sacramento river could be passed immediately at that town, perhaps on the railroad bridge of the California Pacific Company; and by this policy two obstructions to the navigation of the Sacramento river and one to the navigation of the San Joaquin wou. be avoided. It is to be observed that a considerable part of the trade of Sacramento and Stockton is done with sloops and schooners, which find great difficulty in passing draw bridges—so the commerce of both places would suffer from a low bridge across the Sacramento-San Joaquin at Chip's Island.

We do not believe that the proposed air line from Sacramento to Oakland will

ever be built. By its bridges it would injure Sacramento and Stockton; it would be very costly; it would command very little way trade; it would pass by Benicia, which is excellently situated for terminal purposes, to reach Oakland, where there is no permanent terminus, and where no secure anchorage can be provided until after years of waiting and the expenditure of millions. So far as we can learn, the Central Pacific Company have never taken any engineering advice upon the grave question whether Oakland, Benicia or Vallejo is better adapted for a deep water terminus for their system of railroads. This is a question of vast importance to them and to the State, and it cannot be considered settled until after a careful study by eminent engineers.

#### THE CALIFORNIA PACIFIC.

The roads of the California Pacific Railroad Company are the following:

1. The Sacramento and Vallejo (main trunk) line, 60 miles.

The branch from Davisville to Marysville, 45 miles.

3. The Napa branch from Adelante to alistoga, 35 miles.

The Bloomfield branch, 16 miles, projected.
 The Sonoma branch, 40 miles completed, 23 in the course of construction

and 50 more projected.

6. The Oregon branch, from Woodland to Christmas Lake, by way of Te-

hama, 400 miles, projected.
7. The Salt Lake branch, from Christmas Lake to Salt Lake, 550 miles,

projected.

The aggregate is 1°5 miles of road completed, 23 in course of construction and 1016 projected.

### PURCHASE OF STEAMBOATS.

The California Pacific Railroad Company have bought out the property of the California Steam Navigation Company, including II side-wheel steamers, 13 stern-wheel steamers and 40 barges. The barges are used for transporting wheat and freight; the stern-wheel steamers are to run on the upper Sacramento and San Joaquin and on the smaller estraories; the side-wheel steamers will run to Valleio, Sacramento, Stockton and other large places.

The Steam Navigation Company was organized in 1854 by a combination of the owners of all the steamers running in the inhand waters of the State, and it immediately took exclusive control of all the means of transporting passengers and valuable or quick freight from San Francisco to the interior. For fifteen years it maintained its monopoly, though it had often to contend with opposition, which, however, never lasted long. If the rival boats were not bought off, they ran shore, took fire, bursted a boiler, or got into trouble some other way. The accuracy of the state of t

Now the milroad is so strong that it buys up the steamboats.

So long as there were no railroads, the Steam Navigation Company was mighty, but when the iron tracks were laid down connecting Sacramento, Stockton and Marywille with deep water, it became week, and the sale of its property is one of the signs of the times—a sign that the railroad has become mightier than the steamboat from the sign of the times—a sign that the railroad has become mightier than the steamboat company than the steamboat company the principal company and the processing company have their chief interest at Valleje, will keep their idle boats

there, do their repairing there, and make that a preferred terminus.

### THE TWO GREAT COMPANIES.

Each of these two companies, the Central Pacific and the California Pacific, possesses an immense capital and great influence in financial circles. The Central Pacific has more miles of finished road, and holds immense subsidies to be given on the completion of additional roads; but the California Pacific has more when the other of the California Pacific has more when the other of the California pacific has more when the celection of a new Board of Directors of this company, says:

Edward II. Green, who alood first on the successful titled, is an eminent capitalist of Lodon, one of the John State of the London State of the London and the Pameires Bank. Rudolph Stilzbeh and Julius May, of Frunkrist-on-the-Main, are brother-state, and the London Stilzbeh and Julius May, of Frunkrist-on-the-Main, are brother-state, and they are have been successful as and maintenant of Caranay. M. K. Jessey is a leading capitalist and railroad operator of New York. With them are associated P. D. Atherton. John Parrott, Bogue L. Sallivan, J. P. Jeckson and M. S. Latham, of San Francisco.

Californians need no information about the wealth and business standing of the San Francisco Directors, who, it is said, however, are merely the representatives of foreign capital. Mr. Parrott has resigned and been replaced by R. P. Hammond as a member of the Board of Directors.

The proposed roads to Oregon and Salt Lake are to be built by the "California Pacific Railroad Eastern Extension Company," which was organized on the 22d of May, 1871. The routes are thus described in the certificate of incorporation:

or Audy, 2017. In or Ortificia ire this described in the certificate of merophitum; themes portherly through the Sensi bown of Davier les, compared to St. State of California has been been provided by the State of California at a point near Goose Lake to a point near Christiania the morthern boundary of California at a point near Goose Lake to a point near Christiania the California of t

The following is a list of the corporators:

Names.	Residence	No. of Shares.
William F. Roelofson	San Francisco	
Milton S. Latham	San Francisco	
Isaac Friedlander	San Francisco	18,000
Richard P. Hammond	San Francisco	18,000
A. Gansl	San Francisco	
Eugene L. Sullivan	San Francisco	
F. D. Atherton	San Francisco	
J. P. Jackson	San Francisco	
John B. Frisbie	Vallejo	18,000
Alexander De Laski	London, England	18,000
William H. Tillinghast	San Francisco	18,000
Edward H. Green, by his at-)		
torney in fact, Milton S. }	London	18,000
Latham		
Rudolf Sulzbach, by his at-)		
torney in fact, Milton S. }	Frankfort-on-the-Main	
Latham		
Julius May, by his attorney	Prophfort on the Main	18,000
in fact, Milton S. Latham !	FIRMATOR-OH-MAID	10,000

## MINOR ROADS.

Besides the roads of these two great companies, the State has the Northern California Road, 26 miles long, from Marysville to Oroville; the Los Angeles Road, 19 miles, from Los Angeles to Wilmington; the Stockton and Copperopolis Road, 28 miles, in running order, and the Texas Pacific Road, protected.

#### SAN FRANCISCO'S ADMISSIONS.

If San Francisco cannot be the chief railway terminus of California she cannot keep her place as the chief city, and that she cannot be the chief terminus her capitalists have admitted, not under seal nor in express terms, but impliedly and unmistakeably. Though California has 900 miles of railroad, though two years have elapsed since the Middle Pacific Railroad was finished between the

Sacramento and Missouri rivers; though nearly two years and a half have passed since the California Pacific Road was finished from Vallejo to Sacramento, yet Sau Francisco is still isolated on her peninsula and visited only by two little trains adily from the village of Glivey. Though Vallejo and Oakland have set up an open competition for the foreign trade, the metropolis has made no effort or span open competition for the foreign trade, the metropolis has made no effort or span open competition. The control value is to Askand to Paradisco. The city by its indusco has induced the State to give 60 areas of mud flat in Mission Cove for a terminal station for the Central and Souther Pacific Railroads, which have not yet used it or commenced work to establish n termin as there.

The San Francisco press has urged the construction of a read from Vallejo to Oakland, and of a bridge from the latter place across the bay, but nothing has been done, nor is there a probability that anything will be done soon. There are very serious obstacles in the way. A bridge across Carquines Struit high couple to permit ships to pass under it won, abe very expease, and as the California Practic Railroad (the interests of which are attached to Vallejo) would not permit trains to run from their track, the value of a road to Oakland would be very doubtful.

#### NO BRIDGES ACROSS THE BAY.

A bridge across San Francisco bay would obstruct navigation, and would probably never be allowed by Congress. Permission would have to be obtained beforany work could be done and no attempt has yet been made to get such permission.
The expense would be great, as the distance across at the narrowest place near San
Francisco is four miles, including one mile never to deset deep at low effect of the control o

### NO SAN FRANCISCO MONEY IN RAILROADS.

The unfitness of San Francisco for the transaction of railroad business is implied by the fact that her expitalists in a class refuse and have steadily refused to build railroads in any part of the State with their private funds. If they could bring the railroads into the city, and thus increase the value of their lots, they would of course subscribe. There have been a few exceptional cases, in which San Francisco capitalists have given their private funds to build railroads, but they are so few that they can be counted on the tingers of one hand, and it is cleabiful whether the total amount would exceed \$1,00.000; and in most cases cased to the control of t

It may be said that the liberal subsidies given by the Federal, State, county and city treasuries have relieved the citizens from the obligation of making private subscriptions. This defense, however, will not bear critical examination, for what that the rich men of San Francisco have been bitterly opposed to the domation of money to any railroad save that to Gilroy, the only one that enters the city; and that as a class they have not sought to encourage the construction of

railroads in the interior of the State.

## SAN FRANCISCO HAS NO RAILROADS.

It is especially worthy of note that the two main railroad systems of Califormia-the Central Pacific, terminating at Oakland, and the California Pacific, terminating at Vallejo-were organized in the interior; that they have never been controlled by San Francisco capitalists; that they were built in the face of the opposition of San Francisco; that no resident of or large land holder in San Francisco has ever been a Director in the Central Pacific Company; that no person has become a Director of the California Pacific Road with the idea of increasing the trade of San Francisco or the value of real estate there; and that no San Franciscan has become a Director in the California Pacific Railroad except as the representative of foreign capital,

Another very significant fact, implying an admission that San Francisco capitalists have given up their hope of making their place the main terminus in the State, is that the ownership of all the steamboats running from San Francisco to Oakland, Sacramento, Stockton, Vallejo and Red Bluff vests in companies whose chief interests lie in Vallejo and Oakland. The inland transportation would never have passed out of the hands of San Francisco men if they could have made the most profit from it; and the Central and California Pacific companies would not have preferred Oakland and Vallejo if they had not seen more profit there. The refusal of San Francisco capitalists to put their money into railroads is explicable only on the theory that they do not see that they can expect any fair return for it; they do not see that they could make a terminus there, and they do not believe that they could fix the trade so as to attract population and increase the value of their land, which last forms a large share of their wealth and in a favorite object of speculation with them. If they could make their place the excusive deep water terminus of the railroad system of the State, it would be gross folly in them to withhold their money from railroads, and entirely inconsistent with the principles that actuate them in their general business.

## GOVERNMENT AID TO RAILROAD3-THE MAIN CENTRAL PACIFIC.

Of the original Central Pacific Railroad 138 miles are in California, reaching from Sacramento to the State line. To assist the construction of this section, Congress gave 903,200 acres of land worth \$2.50 per acre on an average, loaned \$6,192,000 in bonds for a period of thirty years, and gave a roadway 200 feet wide for more than 100 miles over the Federal lands. The State has given and promised to give \$105,000 annually for twenty years, or \$2,100,000. San Francisco has given \$400,000 in 7 per cent. bonds, to run thirty years, and the aggregate principal and interest will be \$1,240,000. Sacramento subscribed \$300,000 in 8 per cent. bonds, to run thirty years, thus promising to pay in all \$1,020,000. Placer county subscribed \$250,000 in 8 per cent. bonds, to run twenty years, making a total of \$650,000.

#### LOAN OF FEDERAL BONDS.

The Federal bonds bear 6 per cent. annual interest, which is paid by the Government, but is to be paid with principal by the Railroad Company at the end of thirty years, with deductions for all the freight and passengers carried by the road for the Government. If, however, the charges of the railroad amounts of more than three per cent. (half the interest) the Government must pay the excess in cash. Thus the railroad has the use of \$6,192,000 for thirty years without paying any cash in that entire term. The railroad would rather pay 3 per cent. in transportation than 2 in cash; and as the current rate of interest in California is 10 per cent. per annum, the loan is worth as much to the company as a gratuitous 10 per cent. per annunt, the loan is worn as much on the company as a gasanous loan of 8 per cent. on 86,192,000 (or \$405,500) every year for thirty years. That sum of \$435,360 deposited in bank every year, and bearing 10 per cent. interest compounding annually, would amount in thirty years to the immense sum of \$74,000,000; whereas the entire principal and interest of the bonds will be only \$8,337,000, leaving \$65,000,000 profit to the company. If, instead of reckoning the interest at 10 per cent. we allow but 8, and take 6 per cent. on the \$6,192,000, or \$371,520 as the amount annually loaned every year without interest for thirty years, and compound annually, we shall get \$42,388,775 as the total result, leaving \$34,000,000 net, after paying the interest and principal of the bonds. We do not imagine the company will make either thirty-four or sity-free millious profit out of the loan, but the banks and professional money-lenders in San Francisco are doing better, generally receiving dive-siths to one per cent. a month (10 per cent. annually) but compounding monthly; and we have no doubt that if the Government would invite bids for such a loan of bonds, a combination of expitalists in San Francisco could be found to agree to pay \$10,000,000 at the end of thirty years in addition to the principal and interest, and furnish large security. The sum which the loan would bring on the market is the sum at which it should be charged to the railroad comman.

charged to the railroad company.

For 138 miles of road, between Sacramento and the State line, the public
have given or promised to pay \$8,010,000 in money, \$2,250,000 in land and \$10,000,000 in hooks, or \$18,280,000 in land, an average of \$122,000 per mile: Some
bonds, but we have no precise information as to the amount, and the deductions are
probably not more than those on greenbacks, so we can consider the above terms

as currency, though the people will have to pay all of them in gold.

CENTRAL PACIFIC BRANCHES.

To the Western Pacific Raliroad 128 miles long, the United States loaned \$2,016,000 in bonds for a period of thirty years; gave 801,400 acres of land worth \$2.00 per acre on an average, and the right of way 200 feet wide over Federal land. The State gave the right of way over State land and 30 acres in Mission Bay, worth \$23,000 at the time of domation. San Francisco gave \$250,000 in To per cent, thirty year bonds, which with interest will amount to \$775,000. Santa Clara making \$650,000 in To per cent, tenny year bonds, making with interest \$465,—making \$650,000 with the interest; and Oakland gave 500 acres of water front, valued at \$500,000. The gifts and advances, exclusive of the Federal bonds, amounted to \$1,543,590; the Federal bond loan on the basis calculated above was worth about \$85,000,000 mishing a total of \$8,043,000 per mile.

San Francisco gave \$300,000, San Mateo gave \$100,000 and Santa Clara \$200,000 of 7 per cent. fifteen year bonds for equal amounts of stock in the San Francisco and San Jose railroad. The interest and principal on these bonds will

amount to \$1,230,000,

To the California and Oregon Railroad, Congress has given 12,800 acres per

mile, 3,944,000 acres in all, worth about \$2,000,000, or \$6,400 per mile.

To the California Central Rairoad Yabo county was anthorized in 1862 to
subscribe \$1,00,000 on conditions to be fixed by the Supervisors. At 8 per cent.

for twenty years the total principal and interest would be \$200,000. In the
same year Placer was anthorized to subscribe \$1,00,000 of 8 per cent. twenty year
bonds to the Sacramento, Placer and Newada Rairond. Total principal and inter-

est \$260,000.

To the Sonthern Pacific Railroad of California, from San Jose to Fort Mojave, and from Tehachep to Fort Yuna, by way of Los Angeles, Congress has per 12,000 acres per mile for 875 miles, 11,200,000 acres in all, worth \$42,000,000. The State has given 30 acres in Mission Bay, worth \$250,000. San Francisco given 3,000 shares of stock in the San Francisco and San Jose railroad, worth at the time of transfer \$120,000. As this stock had been paid for in bonds previous counted, we leave this item of or our total donation to the Sonthern Pacific Railroad of \$4,500,000, equivalent to about \$8,000 per mille.

To the El Dorado road 26 miles long, from Folsom to Shingle Springs, El Dorado county subscribed \$200,000 and Placerville \$100,000 in 10 per cent. fifteen

year bonds, calling for \$750,000 of principal and interest together.

All the above roads are now in the hands of the Central Pacific Company, and

 the following are the total subsidies:
 \$13,268,000

 Original Central.
 \$13,268,000

 Western Pacific,
 \$0,045,000

 Genthern Pacific,
 \$1,200,000

 Get-Termia and Oregon,
 \$0,000,000

 California Octation,
 \$90,000

 Sessmanento, Phacer and Nevada,
 \$20,000

The city of Sacramento gave part of her water front to the Central Pacific Railroad Company, but we have no estimate of its value.

#### TO OTHER ROADS.

To the Texas Pacific Railroad Congress has given 12,500 acres per mile, in all, 2,210,000 acres in California, worth, at a very liberal estimate, \$500,000.

To the Stockton and Copperopolis Railroad Congress has given 256,000 acres, worth, probably, \$1,000,000.

Sonoma county has promised, under an Act of the Legislature, to give \$359,000 in bonds, which, with the interest, will amount to \$910,000 for roads within

its limits, and about \$100,000 of these bonds have been issued.

The following countries and towns have assisted in	moad bonds as fond	110.
Year.	Principal.	Total.
Los Angeles County, 1870	\$150,000	\$375,000
Los Angeles City, 1870	75,000	187,000
Naps	300,000	849,000
Yuba, 1857	100,000	220,000
Butte, 1863	63,000	198 000
Solano, 1859	100,000	170,000
San Joaquin County, 1870	200,000	480,000
Stockton, 1870	300,000	720,900
Valo was outhowized in 1957 to journ \$200 000	to a mond to Vallaio	but hos

issued only \$100,000 and will not issue the remainder. Solano was authorized to issue \$200,000 in 1869, but we believe has issued

only \$100,000; principal and interest amounts to \$170,000, and will not issue any more. Volo, Sutter, Stanislaus, Calayeras and Plumas have at vrious times been authorized to subscribe to railroads, but we believe never issued any railroad bonds.

The Sacramento Valley Road, twenty miles from Sacramento to Folsoin, the roads from Niles to Oakland and Alameda, about thirty miles, have been built without Government assistance. The money obtained from the Yuba bonds given to aid the road from Marysville to Vallejo, was spent ten years before any iron went down, and in such a manner that it contributed very little to the expense of building the road; and the bonds assued by Napa and Sonoma went into the hands of other companies, though the California Pacific has since bought their roads.

#### SUMMARY.

The quotations partly delivered and partly promised may be summarized thus : \$37,261,000 Central Pacific.

California Pacific, 2,140,000 Stockton and Copperopolis, 1,009,000 Texas Pacific, 582,000 Los Angeles, Northern California. 198,000 Stockton and Visalia, 1,200,000

Many minor gifts, making a considerable total, might be added. Against all this we may venture to assert that San Francisco has furnished not more than one million dollars of private capital towards the construction of railroads in the State, and this sum was furnished only to roads which had previously obtained public subsidies of not less than \$5,000 per mile. San Francisco has built no roads with her private funds, or with foreign capital brought to the State by her influence. The railroads of the Central Pacific Company have been built mainly with the proceeds of Government subsidies; and the railroads of the California Pacific Railroad Company have been built mainly with foreign capital, brought to the State by the influence of Vallejo.

The debts mentioned above were incurred under special Acts, but a general Act, passed in 1870, provides that any county may incur a debt to assist a railroad company, subject to the condition that the total debts for railroad aid shall not at any time exceed five per cent. of the taxable property. The bonds, if issued, are to bear 7 per cent. interest, and run 20 years. This general act exposes the people of the State to the possibility of having to pay about \$20,000,000 within 20 years.

THE ANALOGY OF NEW YORK.

The main defense of the advocates of San Francisco is that no large city has been seriously injured by railroads; that New York, which is on an island and has a situation similar to that of San Francisco, has not been injured by them; that d-recy City which has a situation like that of Oakland has not taken any of the description of the control of the control of the control of the control of the Hudeon and situated like Vallejo, is a place of no note, though a wealthy railroad company attempted to make its terminus there.

## NEW YORK NOT AN ANALOGUE OF SAN FRANCISCO.

To this we answer that no large city in Europe has a site so disadvantageous sath at of San Francisco, nor has any other city a position rough like it to funish the basis for a trustworthy argument. The fact that she has been scriously imprired indicates a difference. The assumption that New York, Jercey City and incorrect. If we take the coast survey charts and topographical maps of the Atlantic Coast of America, and search for the best place for a commercial city, with a deep and well sheltered harbor, convenient access from the soa, a fine level upland site coming down very near to a long and deep water front, with convenient channels for trade leading inland and near the center of wealth and population, every warehouse and every convenience of commerce should be distroyed next month at all the points that have aspired to be commercial cities on that coast, the metropolis would again arise at the same spot; just as Vallejo would be selected on the coast of california. Raifroads are less important, relawing the statement of the coast of the statement of the Allechanies has steamers and sailing vessels; and the coasting temage of New York is relatively ten times as large as that of San Francisco.

### THE FUTURE OF JERSEY CITY.

Jersey City, which is compared to Oakland, has no navigable estuary fit for conversion into a fine harbor, no fine upland site for a city, and no land communication by short route with the 3,500,000 people in New England. Yet with all these disadvantages, Jersey City may yet become a formidable rival of New York. The New York World of Macrh 16th, 1869, says:

This city is at last threatend with a fermidable rival. Across the rive what is pow Hudou county, in New Herry, is asking to be a city extending from Regne Policu to Bull's Ferry, from the Hudou to the Hudernseck; and including all the territory within these limits, it proposes to the results of 120,000. This is more than more talk. Bumor already fixes a name for our rival, apputation of 120,000. This is more than more talk. Bumor already fixes a name for our rival, registral name, but with the unsegnificent water front, the location, the facilities and inducements. New Jersy City or some other city is sure to spring up on the above opposite to New York, and the standard of the results o

A meeting of thirty leading down-town business men and property owners of New York city was held on the 16th of June, 1871, and their proceedings were reported in the New York Tribune of the next morning. Their purpose was to consider the projected construction of the Viaduet Railroad. H. G. Gardner spoke as follows:

spoke as follows:

The question was one which deeply affected the interests of New York City. During the past ten years the city has lost more than half of what it should have gained, both in population past ten years the city has lost more than half of what it should have gained, both in population where the past of the past of

hers, while the merchants of Baltimore are building warehouses on the water front to need the demands of the Western trade, which they boldly assert is leaving New York for their city. How are we to remedy this? for if it be trace that the city has lost collectively, it must be equally the that ach of you have lost individually a proportionate amount of what you would have had; and can we expect to compete with other cities when it would cost more to truck goods through over-crowded streets from the depot to the warehouses or the doors than to transport them from Buffalo, and in some cases even from Chicago? The remedy consists in having the warehouses on the docks, and the railroads coming directly to them, so that by means of machinery the goods can be transhipped at little or no cost. Every inch you have to truck them costs heavily, and we have the means, if we avail ourselves of them, of handling goods cheaper than any one goods can be transmipped at three our occ. a weep line you have to reite them code newly, cole in the country, Satistics show that during the last year our exprise decreased by 90,000 tons, or more than our entire commerce was twenty years ago, and this because we taked goods tons, or more than our entire commerce was twenty years ago, and this because we taked goods building from the West to the Chesapea is finished, and if you have not corrected the present abuses, then good bye to the trade of New York. Many people think that because New York abuses, then good bye to the trade of New York. Many people think that because New York abuses, then good bye to the trade of New York. Many people think that because New York will not neverify years ago Philadelphis has a larger trade than New York, and it was only the building of the Pari Canal that made the change. Now, when you put a tax at the end of the route, you will mad that are any like all parts of the prince, where they can do it theraper. A wheat which were not shipped to our port because the business could be done at 4% cents per thank changes at another place. And so I will be always. Farmers in the West may be very taker money, they will not stay with you.

A. A. Low said that his experience in China had taught him that where business was done trade was flourishing. Inselect, the fact of such high prices, and consequently high rests, was trade was flourishing. Inselect, the fact of such high prices, and consequently high rests, was fourishing. Inselect, the fact of such high prices, and consequently high rests, was fourishing. Inselect, the fact of such high prices, and consequently high rests, was fourishing. Inselect, the fact of such high prices, and consequently high rests, was fourishing. Inselect, the fact of such high prices, and consequently high rests, was fourishing. Inselect, the fact of such high prices, and consequently high rests, was fourishing. Inselect, the fact of such high prices, and consequently high rests, was fourishing. Inselect,

The general sentiment of the meeting seemed to be that the commerce of New York would be seriously endangered if additional facilities were not supplied. If New York is not secure, why should San Francisco be?

Previous to 1820 Philadelphia was about the centre of the population of the United States, and was also the chief commercial city; but the construction of the Erie Canal opened a cheap road to the lake basin, and then New York, which had a far superior harbor-deeper, nearer to the sea, and not so often obstructed by ice-became the centre of population and the chief city.

THE ERIE CANAL AND NEW YORK.

In a report submitted to the New York Produce Exchange on the 24th March. 1869, Mr. Hatch, on behalf of a committee appointed previously, said the Erie Canal carried in six months (it is closed by ice nearly half the year) as large a tomage of freight from West to East as the five chief trunk railroads during the whole year. The average cost by rail from Chicago to New York is \$14.31 per ton, and by canal, lake and river, \$7.66, showing a saving of \$6.55 by the latter conveyance on each ton. Mr. Hatch added that the canals should be fostered, for "we have reached a crisis in our manner of dealing with the canal system which "we may reacted a crisis in our manner of deating with the canal system which it even visely net would instruct New York the commercial supremacy not only of the continent but of the world." At a meeting of the New York State Commercial Vision, held in New York city on the 181st of March, 1871, Peter Copper said "the commercial supremacy can only be maintained by a cheap and rapid passage of freight on the Eric Caulat." These declarations were not questioned in the meetings where they were made, nor by the newspapers that gave them publicity. They imply that New York is in danger, and that she depends to a large degree for her prosperity upon what may be called an inland coasting trade. In corroboration of the opinions of Hatch and Cooper in regard to the importance of the Eric Canal to New York, we find that the Canadians have undertaken extensive ship canals, for the purpose of taking trade from New York, placing far more reliance upon them than upon railroads, and expecting to find more competition from the Eric Canal than from the New York railroads. If the Eric Canal had been bought out by the railroads the situation of New York would be similar to that of San Francisco, which has sold out its steamboats to the California railroad companies.

CHICAGO'S GREATNESS,

Chicago became great by virtue of the advantages of her situation. She was at the head of navigation of the lakes; she had a secure though narrow harbor; she was at the point which freight and passengers must take in the era of water transportation in passing from the lakes to the Mississippi ; she was at the corner of the lake which all travel going eastward from the regions northwest and west must pass on the way to New York; and then she secured the superiority gained before the time of railroads, by becoming the greatest inland railway centre of the United States. Accident no more governs the growth of cities than it does the bargains of individuals. The owners of freight study whether they shall ship their freight to this or that city, and select the one that offers them the most profit, and that is usually the place which, having the best natural advantages, has attracted the most intelligent men and offers the best rewards for enterprise.

#### HORACE GREELEY ON SAN FRANCISCO.

At a dinner given in New York on the 13th of October, 1869, to an excursion party of the California Pioneers, Horace Greeley having been called on to respond

party of the California Fioneers, Hornee Greeley having been called on to respond to the tosts of "New York and California," in the course of his remarks said: When we speak of the present or the expected greatness of these two remerkable cities, New York of the California of the California of the California of the State of the California of the Califo

Mr. Greeley is wrong in supposing that the construction of the railroad is due to San Francisco; he is wrong in supposing that the danger to which that city is exposed (he refers to it, evidently, though he does not mention it,) could be averted by the genius of her business men; and he is wrong again in assuming that genius makes cities. It is the good site that attracts and rewards genius,

and stimulates enterprise.

EUROPEAN CAPITALS

Paris, Madrid, Vienna and St. Petersburg owe their greatness to the fact that they have been for long periods the residence of the despotic monarchs to whom all the revenue of the State was paid and from whom all the revenues and offices of honor and profit went out. These monarchs were surrounded by nobles who owned nearly the whole country, and the wealthier men among them either went to the capital every year or made their permanent homes there. A large part of the profits of the nation went to carich the capital. Under a despotic Government the city in which the Sovereign resides must be the chief centre of wealth and fashion. The great inland capitals of Europe are most of them situated in the midst of fertile plains, are conveniently accessible, by railroads and have been made the centres of the railroad systems of their respective countries, so that now, in addition to the influence of centralized political power and accumulated now, in Radiation to the inducate of canadas a parallacturing place, for instance, wealth, they have extensive industries. As a manufacturing place, for instance, Paris has very few if any equals. Venice, which was for five centuries the leading commercial city of Europe, lost her place because the discovery of the road to Hindostan by way of the Cape of Good Hope made it cheaper for vessels to run from the ports on the western and northern coast of Europe. Antwerp succeeded her because Spain, France and Germany were exhausted by frequent wars, while Flanders was quiet; but when Alva came with an overwheming force to establish the inquisition in Flanders, the merchants and mechanics of Antwerp fled to Amsterdam and London, which then contended for the mastery.

LONDON AND LIVERPOOL.

But the territory of the Dutch was too valuable, and they had to suffer too

much from invarion and danger, so the English netropolis took the lead, which it kept until the vast trade of the United Sittes and the increasing trade of Great Britain in this century, the distance of London from the sea, the narrowness of Thames, and the superior advantages of Liverpool gave to the latter the pre-unimence as a centre of foreign commerce. The security of the insular position, the almost uniform successes of the British navy over the French, Spanish and Dutch fleets, the stimulating influences of liberal institutions, the great skill of maratime pursuits, the acquisition of numerous and powerful colonies, the mospoly of the carrying trade of the world, the possession of the great deposits with the contribution of the steem engine, steamboat, steambors, carding, spinning and waveing nuclaines, contributed to make London by far the richest city and England the richest country in the world.

Many of the influences which contributed to build up London have lost most of their power. Religious intolerance will never again drive off the best mechanics of Prance and Belgium; it is to be hoped that frequent wars, with the consequent feeling of insecurity in continenta Europe, will soon cases: Great Britain having abandoned the policy of aggressive worfare has ceased to have control of only her ships had constant and profitable employment, but her chief cities were the distributing points for christendom. Her insular position has been of great benefit to her commercs in the past, but in the future fiv lill be injurious. There will be continuous iron tracks from Western Europe to Eastern Asia, connecting all the chief cities of the two continents with the trade of nearly 1,000,000,000 inhabitants; and when that network is complete, and when tariff restrictions, despotians and war have consect to vex and destroy manufactures, agriculture and elegations and war have consected to vex and destroy manufactures, agriculture and probably between Amsterdam and St. Nazaire, The railroads will make the greetest cities of Europe as well as of America.

#### THE GREAT HARBORS OF THE WORLD.

Many persons, especially those familiar with the roomy harbors of New York and San Francisco and with no others, object to the harbor of Vallejo on account of its narrowness, and some objection has also been made on account of its distance from the sea. A study of the harbors of the great seports generally will show that these objections are not well founded. We have compiled the following table, showing the population and tonnage of certain prominent seaports, and the width, depth and distance from the sea of their harbors:

, <u>-</u>					
aport.	Population.	Tonnage.	Distance-miles.	Width-yards.	Depth-feet
Liverpool	488,000	5,000,000	3	1,000	30
New York,	1,500,000	3,101,691	20	1,800	30
London	3,250,000	2,000,000	60	300	12
Hamburg	225,000	1,800,000	75	300	*14
Shanghae	400,000	800,000	40	1,000	
Boston	318,000	779,600	6	900	24
St. Petersburg	520,000	600,000	1	300	8
Rotterdam	112,000	500,000	20	1,800	30
San Francisco	160,000	443,000	6	5,000	30
Amsterdam	266,000	350,000	50	300	26
Calcutta	400,000	350,000	100	1,500	25
New Orleans	191,000	381,000	100	1,000	15
Venice	120,000	800,000	5	200	16
Philadelphia	700,000	292,000	84	1,600	18
Antwerp	120,000	300,000	70	300	24
Baltimore	267,000	225,000	150	1,500	22
Canton	1,000,000	200,000	70	300	14
Bremen	64,000	73,000	50	300	7
Glasgow	560,000	2000,000	30	200	10
Seville	152,000		70	200	5
Bordeaux	193,000	140,000	75	530	12
Portland, Maine	31,000	134,000	4	1,800	30
Savannah	25,000	81,000	15	150	12
Charleston	40,000	29,000	7	900	10
Richmond	40,000	4,000	70	150	10
Stockholm	131,600	100,000	25	500	24
Mobile	35,000	61,000	25	1,000	3
Vallejo	7,000		25	300	25
Montreal	70,000	100,000	150	300	20

The tonnage in the above table represents the aggregate measurement of all the vessels which entered in one year from foreign ports. The figures for the American seaports are from the official documents for 1868-69. The tonnage of the American ports is greater, relatively, than it appears, because our long coast line and frontage on two oceans make coasters of vessels which come from great distances; whereas in Holland, Belgium and Germany, many vessels sailing only fifty miles, or less, are counted as from foreign countries. The figures give, however, our best approximate standard for ascertaining the relative magnitude of the

foreign commerce of the different places in the list.

The third column indicates the distance in miles from an open sea or gulf, and shows that London, Hamburg, Calcutta, New Orleans, Philadelphia, Antwerp, Baltimore, Canton, Seville, Bordeaux and Richmond-eleven out of the twenty-Diamoney, Candon, Sevine, Boriesed and Inclination—even out of the Wordy, bulke ports in the list—are stry miles forther from the sea; and Glasgow, Shanghae, Amsterdam, Bremen, Stockholm, Mobile and vidlejo are between 25 and 57 miles. The average distance of the 29 ports is 43 miles, showing that Vallejo is less than the average. Seville is of no importance now as a seaport, but for a long time after the conquest of Mexico and Peru, it was the chief port of Spain. Remote as Richmond is from the sea, it was, previous to the civil war, the chief importer of coffee in the Union after New York, and it has taken away much of Apprice of conee in the Union after New York, and it has taken away nincel the foreign commerce which Norfolk had thirty years ago, though the latter place is 65 miles nearer the sea. When we examine the depth of water at Glasgow, Bordeaux, Hamburg, Bremen and London, we see how anxious shippers must be to go as far inland as possible with their vessels. Montreal, though it has little foreign commerce, is rapidly rising in importance.

The fourth column shows the width of the harbors in yards. Of the twentynine places, more than a third have harbors only 300 yards wide, including London, Antwerp, Venice, Glasgow, Canton and Bremen. Each of the first three has been at one time the greatest commercial city of the world. Chicago harbor has very little foreign commerce, but has thirty miles of frontage where vessels can lie, and is visited every year by ressels measuring 3,000,000 tons in all, is only 200 feet or 66 yards wide, yet it accommodates an immense business.

The fifth column gives the depth in feet at low tide of either the harbor or the channel leading to it. The 30 feet at San Francisco indicates the depth, not in the harbor proper, where 50 feet can be found, but on the bar which ships must cross before reaching the anchorage. Many of the prominent seaports are

accessible for large ships only at high tide.

The harbor proper of Marseilles is 300 yards wide and less than a mile long, but many vessels anchor in the roadstead outside. Havre has an artificial harbor with an entrance only 50 yards wide. Bristol, the second scaport of England in the last century, has a harbor only 120 feet wide. Belfast has a harbor only 500 feet wide. The harbor of Glasgow may be considered artificial, as \$10,000,000 have been spent in deepening and straightening the Clyde. For eight miles next the city the channel is only 250 yards wide, and for ten miles more only 500 yards wide. The number of vessels mostly domestic arriving annually is 15,000.

These facts go to show that natural depth and protection, great width and immediate proximity to the sea, are by no means indispensable to a harbor for

the transaction of seaport business.

#### CHANGES IN COMMERCE

The history of commerce is a record of changes, which become more numerous and rapid as we approach our own time. Venice was the chief seaport of Europe for six centuries before the conquest of Mexico, and was succeeded by Antwerp, which held its place for half a century, and gave way to Amsterdam, which reigned for nearly a century and three-quarters, to be followed by London, and for the last quarter of a century Liveprool has headed the list. Venice reigned 600 years, from 925 to 1525; Amsterdam, 175 years, from 1525 to 1725; London, 125 years, from 1725 to 1850; and Liverpool from 1850 to 1871. If coasting and river shipping were also counted, London surpasses Liverpool, and New York probably surpasses both. Even in foreign commerce it is probable that the last named place will within half a century surpass Liverpool.

In Spain, Seville, which was once the chief com nercial city, has fallen into

insignificance. Of late years Rotterdam has been growing at the expense of Amsterdam. Liverpool had very little shipping at the beginning of the last century; its commerce is a modern creation; while Bristol, long prominent, has now fallen very low relatively. Glasgow is another new place, and was for a long time inferior to Greenock, at the mouth of the Clyde; but the former has now 500,600 inhabitants and the latter 49,000. In the United States, Salem had once more shipping than Boston, and Philadelphia was for a century decidedly superior in

the amount of its commerce to New York,

It is to be observed that the world is just now getting into an era of rapid commercial and industrial changes. The introduction of steam into land and water transportation has altered the conditions of business and greatly reduced the influence of previous investment of capital. The question of the future course of trade does not depend so much upon the customs, the opinions and the invostments of the past as upon the facilities offered by present circumstances. If by new combinations of capital and the building up of new commercial centres, the expenses of business can be considerably reduced, then it is probable that such reduction will be effected. Wealth now solicits the advice of learned and able engineers; business imperiously demands the best possible seconomolation; and a press, omnipresent and omniscient, dids to dispel the ignorance, prefudice and operations and ancient and ille-selected business stees have been erreted.

When the agitation in favor of Vallejo was commenced three years ago, we were not on every side by the objection that our aspirations were value because all

our natural advantages would be completely overborne by the investment of \$300,000,000 in San Francisco. We did not perceive the validity of the objection then, nor do we now. That city still has the money, but she cannot use it profitably; it is dead and almost powerless, while her two rivals, Vallejo and Oakland, and their two great railroad corporations, represent a large capital which is not only rapidly increasing but full of activity and influence, and it is probable that one or the other will soon obtain the warehouses and importing establishments

which will speedily lead to a transfer of the bulk of the trade.

#### THE HARBOR OF SAN FRANCISCO.

The harbor of San Francisco is in front of what was formerly Yerba Buena Cove, a mile long and half a mile wide. This cove was filled in with sand and clay, which changed into mud; that mud covers about 320 acress inside of the water front, is 21 feet deep at Harrison street, 25 at Gilbert, 64 at Market and 76 at Howard, gradually growing shallower northward from Market and southward from Howard. The immense mass and the loose character of this mud made dredging almost useless, and offered a very insecure foundation for buildings and wharves.

## HARBOR DUES.

The State undertook to remedy the evil by ordering the construction of a stone wall, to sink down to a solid foundation, and form a fixed barrier against the outward pressure of the mud inside the water line. To provide for the construction of this wall, which is yet in a very incomplete and unsatisfactory condition, the Legislature created a Board of Harbor Commissioners and levied taxes, called dockage, wharfage and tolls. The dockage charged for the privilege of lying at a wharf is \$4 per day for a vessel of 100 tons, \$12 fgr 300 tons, \$16 for 500 tons, \$23 for 1,000 tons, \$35 for 2,000 tons, and so on through a long schedule which it is not necessary to copy in full. The wharfage is charged for leaving merchandise on a wharf more than two and less than eight days, and amounts to 12½ cents per ton on general merchandise. The tolla are charged for the privilege of hauling merchandise to or from the wharf, and amount to 12½ cents per ton. We copy from the San Francisco Chronicle the following table, showing the charges of a ship of 1,500 tons at New York and San Francisco, making a few changes, however, so agree with the reduction in the rates of dockage:

Pilotage in. [vessel drawing say 22% feet,]	\$146,25	\$172.50
Yearly tonnage dnes	350.00	350.00
Activity sominage three	300.00	*750.00
Port tonnage dues		
Custom House charges, [entry fee,]	5.50	
Harbor Master	22,50	
Health Officer	6.50	\$6.0e
Receiving manifest and granting permit		1.50
Harbor dues	entitioners.	*60.00
Nicolampia (Nach	60,00	*270.00
Discharging Clerk		
Port Warden [surveying]	30.00	*75.00
Advertising	1.00	
Certificate	1.25	
Commissioner of Immigrants		1.00
Dockage [say forty days]	420.00	1#990.00
Documed lead tord and al		
Stevedoring	720.00	4900.00
Pilotage ont	106,87	P172.50
		-
Totals	R1 969 77	1\$3,724,50
Difference of currency		
Difference of currency		
		1\$3,374.50
Deduct New York expense		\$1,869.77
•		
Excess of San Francisco over New York		##1 504 73
and the state of t	************	. 162,002.10

In the San Francisco column the items marked with an asterisk (\*) are payable in gold coin.

The Chronicle commenting on the above table says:

The estimate of the freeging subs is made on a vessel of 1,500 tone register, which will be a compared to the freeging subs is made on a vessel of 1,500 tone register, which will be a compared to the freeging substantial to the substantial freeging to the substa

To all the figures which we have changed we have prefixed a dagger (†).

#### SAN FRANCISCO WATER FRONT.

The length of the water front of San Francisco, now available for commercial supproses, extending from North Point to the foot of Third street, is 10,000 feet. West of North Point the water front is exposed to the strong and almost constant winds which blow in through the Golden date with so much force that shipping cannot enter and leave docks there safely, nor can they lie at a wharf without doing much injury to themselves and their wharf by the chaining and thumping.

South of the foot of Third street the mud flat is too shallow for use, and no wharfage business worthy of mention is done there.

On the water front line at low tide, the depth of the water is 23 feet at Chestnut street, 33 feet at Lombard street, 41 feet at Greenwich street, 15 feet at Filbert street, 4 feet at Union, Green and Vallejo streets, 5 feet at Broadway street, 6 feet at Pacific street, 3 feet at Jackson street, 2 feet at Washington, Clay, Commercial, Market and Mission streets, 5 feet at Howard street, 10 feet at Folsom street, and

32 feet at Townsend.

The deep water is confined to the two ends, and is mostly at points where the wharves do not reach out to the official water front line. For 1,000 feet, including the lines of Jackson and Misson streets, the depth is only 2 or 3 feet; and for only one place reaches 6 feet. There are eleven wharves or piers projecting between the contraction of the projecting between the contractions of the contraction of the

#### WATER FRONT AT OTHER PLACES.

Chicago has 35 miles of water front on her narrow but navigable and valuable river, and for that distance the banks are cribbed up so as to be very convenient for shipping.

New York has 164 wharves, each 400 feet long, making 131,200 lineal feet on the sides of the wharves, and if we suppose there is as much more on the main water front line, we have a total frontage at which ships can lee of 282,200 feet, or 49 miles; and complaint is made that New York has not enough frontage. It is suight that there are 200 miles of frontage in the docks and harbors of London,

and as many more at Liverpool.

If San Praneisco were destined to have a commerce twice or thrice as large as at present, she would need at least 8 or 10 miles of additional water front, which she cannot or will not make. She has spent twenty years and \$10,000,000 in filling up 230 ares in Xerba Benea Cove, and the work is not yet done; and before ex-

tending her water front southward, she must fill up Mission Cove with an area of 600 acres between Rincon Point and Potrero Point.

The water front of San Francisco valuable for commercial purposes or susceptible of being made valuable, lies on the Eastern side of the perinsula extending six miles southward from Telegraph Hill. This water front in its natural condition was made up of five high rocky points justing out into the bay with four shallow intervening coves or mad flats. Telegraph Hill, 300 feet high, is separated by Jerhs Beans Cove, a mile long from Morth to South, and half a mile wide, and a mile wide; then Poteror Points a mile wide and 300 feet high; then Islais Cove a mile and a half long and a mile wide; then Hunter's Point, or South San Francisco, 200 feet high; then Bay View Cove, a mile and a half long and a mile wide; and flandly Visitation Point. Yerba Buena was originally the deepest of these coves, and as it offered the best anchoring the nucleus of the city grew up around it; and then the cove itself was filled in. Although the smallest of the coves, the filling in after 20 years of work and great expenditure, is not yet complete. If accommodations for shipping could not be obtained elsewhere at less expense, Mission and Jalias Cowes would certainly be filled, notwithstanding the Durena, but each has at its back considerable areas of swamp and low land which could with difficulty be drained. The position of these coves or mud flats, their size and shallowness, are shown distinctly in Chart No. 49 in the U. S. Coast Survey Report of 1856. This report can be found in most of the large libraries of the United States, and in the shops of dealers in navigatory charts.

Ten miles of good water front could be made at either Vallejo or Oakland for much less money than would be required to make additional miles at San Francisco. These considerations of the inadequacy of the present water front for a large commerce, the necessity of constructing more, and the great cost of construction at San Francisco, will compel Vallejo or Oakland to furnish accommodastruction at San Francisco, will compel Vallejo or Oakland to furnish accommoda-

tions for a considerable part of the future commerce of California.

#### GREATER CHEAPNESS OF VALLEJO.

The insufficiency of the harbor accommodations for the present business of San Francisco is implied in the following extract from the Alta California of August 11th, 1870:

"A number of cargoes of lumber have recently gone to Valleje and have been delivered there on the wheres, it is said, for 75 cents per thousand feet fless than they could be delivered on the wharf in San Francisco. The water is so shakew in front of Stouart Street, where our lumber whards rese, that the vessels must lie of and discharge stot lighters. That double handling is not necessary at Vallejo or Oakland, which, therefore, now have a decided advantage for supplying the interior with redwood, or for sending sngar pine abroad."

The same paper the next day published a communication containing the fol-

lowing passage:

direct to Valigo, Not only is that the case, put at the present writing thipped from "Mill Performed Greek Valigo, Not only is that becase, put at the present writing large contracts for cargeof lumber, latin, shingles, posts, railroad ties, etc., have been, and are being made, which cargewell go direct to Valigo, Sermonton, Stockton, and many other smaller ports on our large has a simple contract of the present of the

#### THE EXPORTATION OF WHEAT.

The monopoly of the handling of the wheat of the State, possessed by San Francisco three years ago, is now lost forever; and most of the wheat business randszób rande yezis ago, is now los lotever, and nosteo cue wasea tosances abune at her whatves last year went there because the whatves and warehouses at Vallejo and Oakland were unfinished. The freight by railroad from Modesto Station, in the Paradise District, Sun Joqquin Valley, to the end of Oakland wharf, including loading and unloading, is \$2.70 per ton, and tunnsfer to the ship 25 cents, making a total of \$2.85 per ton. The cost of leading wheat by horse teams from Modesto to Stockton is \$5 per ton; the wharfage, weighing and handling at Stockton is 50 cents; the freight in a schooner to San Francisco \$1, ind the average waste (by bursting sacks, etc.,) 18 cents, making a total of \$6.68 per ton; whereas, the hauling to a railroad station costs \$2.50 per ton, the weighing and loading 30 cents, railroad freight to the ship's side \$2.50 cents, the wastage 1 cent, making a total of \$5.31 per ton; or a saving of \$1.37 per ton for the railroad route. On account of the peculiar arrangements at San Francisco, however, the wheat is seldom transferred directly from the schooner to the ship, but is usually sent to the warehouse and then must pay 10 cents wharfage, 50 cents drayage to warehouse, 50 cents storage and 50 cents drayage to ship, making a difference of \$2.97 in favor of the Oakland route. The greater part of the wheat raising region of the San Joaquin valley is farther from Stockton than Paradise, and can make a greater relative saving by sending grain to the ship by rail.

The transfer of wheat from Vallejo to San Francisco in schooner, costs \$1 per ton; the wharfage is 10 cents for the schooner; the warchouse charge, including drayage to and from the wharf, is \$1.50; and the ship while loading must pay unyage to and from the what, is \$1.00; and the sup what assume more per about 15 cents per ton dockage, making the total expense \$2.75 per ton, or \$2.750 on a cargo of 1,000 tons. All those expenses are saved by sending the ship to Vallejo at a cost of \$250 for towage. More than \$2 per ton are saved by sending vessels to Vallejo, or about 5 per cent. on the value of the wheat.

#### THE VALLEJO ELEVATOR.

Vallejo has the only grain elevator on the Pacifia coast. This building is 100 feet long, 68 vide, 126 light. It contains 39 thins, each capable of holding 250 tons, or 9,750 tons, or about 350,000 bushels. There is, besides, storage room in the lower story for much more. The elevating machinery can hoist 1,500 bushels per hour into the bins near the top of the building. The charges of the Elevator for receiving and delivering grain in bulk; including storage for not more than one month, are 50 cents per ton.

#### SHIPMENT IN BULK.

The Elevator was built to handle grain in bulk, but has stood idle save for storage for two years, as the insurance agents refused to insure grain in bulk.

They object on the ground that if the ship leaks, the heating and germination will extend from the small quantity of wet grain to the whole cargo, whereas, if the grain were in sucks there would be open spaces through which the air would circulate, thus preventing the spread of heating. It is also said that the grain may swell so much as to burst the ship, and that the loose kernels got in the the pumps and do much harm. As San Francisco has no Elevator and does not expect to have one. the commercial papers there are not very friendly to the idea of shipping in bulk. A San Francisco newspaper of April 8, 1870, said:

"The shipment of grain in bulk has been tried frequently from New York with sad results, ral has been abundoned for years. If it cannot be done successfully from Atlantic ports, it would be worse than folly, almost erminal, for attempt it from Sau Francisco to ports in Greet Eritau. We feel assured that no intelligent ship-master would willingly ineur the risk, and we know the insurance offices will not."

To that statement the New York Shipping and Commercial list of May 4, 1870, replied thus:

"We may state for the benefit of our contemporary, and our California readers, that the oment of grain from this port to kuropean ports in bulk, has not only not been abandoned,

shipment of grain from time port to surepean ports in only, and not only not seen that the but that method was never in greater favor than at present.

Of some three handred vessels that have been disjutched there to the outposts of Great Britain during the last verlev months, there were not more than three or four which took grain in bags. The London and Liverpool packets, with mixed cargoes, have also carried a large portion of their grain in bull, and the same is true of to Chuard and the Liverpool and Great them. Western steamship companies.

The positive assertion \* \* \* that insurance companies will not underwrite for grain in

bulk is equally wide of the truth. None measurement may be a considered to the constraint of the const information at the San Francisco office.

The business of shipping grain in bulk met with sorry discouragements at the outset, mainly through the faulty construction of the bins, but of late years the system has worked admirably, and disseters to vessels thus loaded are no more frequent than to ships otherwise freighted. The greater economy in shipping in bulk over the other method is so obvious as to call for no filture

tration.

The Confirms of the Transfers have always subsert to the system of beging their grain. The he Confirms for the arms have made they represent the panel sign and gamy-cloth interest has become of considerable consequence. That interest, it is suspected, is the principal obtained in the way of a change from lag to bulk chipments. Our San Francisco contemporary cities one experiment of adapting grain in bulk from that port to England, whilst similar disasters occurred on the Atlantic, but, as before remarked, the system has been so perfected, that it now works to the satisfaction of shap-owners and underwriters; and if California there, on the score of economy. there, on the score of economy.

It is a well-known fact that a considerable proportion of the wheat ships bound from California to Europe have virtually loaded their grain in bulk. The sacks slide down a long plank or chute, sometimes 30 feet long, and as they are not very strong, many of them are broken by the shock of stopping. The grain then runs out and the bag is thrown to one side. Thus, though the most of the wheat is in sound sacks, there is enough loose wheat to fill up all the spaces be-tween the sacks for many feet from the bottom. Besides the accidental breakage of the bags, the stevedores, in loading the ships, find that they can get more cargo into a vessel and otherwise facilitate their labor by cutting the sacks; and therefore it is a common practice with them; and they say that they are justified in cutting the sacks, not only by the custom of the port but by the necessity of in cutting the saces, not only by the clustom of the port out by the lecessity on making the vessel stiff by putting as much weight as possible at the bottom. Among the great number of wheat ships which have left San Francisco bay for Europe in the last five years—probably 500 hie hall—it does not appear that more suffered disaster at sea than of other classes of shipping; nor has it been proved that any disaster has been caused originally by loose grain. The obstruction of the pumps by grain is a secondary matter, and of that there is no danger in iron ships. The cost of sacks varies from \$1 to \$3 per ton, averaging about \$1.50; so on a cargo of 1,000 tons there would be a saving of sacks worth \$1,500, by shipping in bulk. Again the shipment in sacks requires storage by hand, and that costs about 50 cents a ton.

It has been said that the loading of ships with wheat at Oakland and Vallejo does no harm to San Francisco, because the ships enter at the Custom House there, discharge their imported cargoes on the wharves there, are consigned to

merchants there, are chartered by wheat buyers there, and are loaded by stevedores who live there and come to Vallojo and go to Oakland where a ship is to be filled; so that all the money is handled there and all the parties to the transaction reside This is so far true; yet every ton loaded here or at Oakland causes a direct loss to San Francisco of \$2; and the steady increase causes a much greater inci-cidental loss in confidence and in the decreased value of property. Besides, San Francisco profits will soon cease on the loading of eargoes in rival places, which must in a year or two possess merchants and laborers who can do the business cheaper than it can be done on the other side of the Bay. The idea that the transfer of wheat exportation to Vallejo and Oakland means no harm to San Francisco is a delusive phantom, dangerous to business men who cherish it.

We have seen that the cost of loading wheat for Liverpool is about \$2 cheaper per ton at Vallejo than at San Francisco, and that it costs about \$2 less per ton to load wheat from Modesto to Oakland than at San Francisco. It is not strange with such a saving, that much of the wheat of the State is loaded at Vallejo and Oakland, The only cargoes so far sent from those places have been composed exclusively of wheat, because that was the only article they were prepared to ship. Before they can export quicksilver; wool, hides, ores, and other articles that go to make up mixed cargoes, they must have more warehouses, laborers, and merchants familiar with the various kinds of produce. But these things they will of course have, if they can export more cheaply than San Francisco. In a few years all the exports of this part of the State will be loaded at Vallejo and Oakland.

The export business, however, cannot stand alone; so soon as it is seen that \$2 can be saved per ton on imported merchandise, then the importers will move from San Francisco to the cheaper points, and they will be followed by the bankers, insurance companies, mechanics, and other people who make up the bulk of a city.

### MANUFACTURING ENTERPRISES.

The California Pacific Railroad Company intend to establish in Vallejo all their shops for building and repairing ears and doing such other work as can be done at the terminus; and this will also be the place for repairing and after a time for building new boats. These shops will be costly buildings, to cover an extensive area, and to furnish employment to a large number of men.

A public announcement has been made that to parties who will furnish onefourth the capital and establish manufactories of any description in Vallejo, J. B. Frisbie, of this place, offers a loan of the remaining three-fourths of the capital required at ten per cent. per annum. This offer would not appear very attractive in New York or Europe, but the terms are more liberal than could be obtained in any other place in California. In San Francisco the manufacturer would not only have to furnish land as the security for this loan, but could not borrow more than tifty per cent. of the value of the land. For loans not secured by land the usual uity per cent, of the value of the land. For loahs for secured by quant the usual rates are from 15 to 20 per cent, per year. Besides making arrangements for loaning money to manufacturers, Gemenl Prisbie has also been preparing plans for several industrial enterprises in which he is to be chief owner. He proposes to establish here a large slaughtering yard from which to supply not only all the buttlens of our town, but also subjacent towns, and even San Francisco. Our poximity to the moist pasture land of the northern coast and of the Sierra Nevalas, and our access to them by valid give us greated advantages for bringing cattle in; and our cars and boats, running early and late, enable us to transport our beef without loss. We have, besides, extensive pastures near the town, in which we can conveniently keep cattle while waiting for slaughter.

It so happens that San Francisco and Sacramento are both unfortunately situated for the slaughtering business. At the latter place the heat of Summer is

oppressive, the pasture is not very good at any time, and is exposed to overflow in Winter and Spring. At San Francisco pasture is not to be got near the city, and even at a considerable distance it is very costly. Vallejo occupies a central position whence San Francisco, Sacramento, Stockton, Oakland, Marysville, Napa, Sonoma and Martinez can well be supplied.

Connected with the slaughter yard, we might have a tannery, for here we could obtain the bark and the hides at little expense, and all the accommodations required for very extensive tan yards can be found in and near our town. Boot

and shoe manufacturers might also appropriately accompany the establishments

for the production of leather.

Vallejo is peculiarly well situated for large wine houses. Sonoma, Napa, Slanon and Yolo together have 6,500,000 grape wines, or nearly one-third of all California. Sonoma makes the best wine and Napa the most brandy in the State. The vineyards are only about one hour distant from Vallejo, and this is a central point to which their grapes, can be collected at the least expense. Those four counties will me for years produce 3,000,000 gallons of vine annually, besides using of 100 their gappes for the subse and for brandy. Some statement of their gappes for the subse and for brandy to consider the subsequence of their gappes for the subse and for brandy. Some statement of their gappes for the subsequence of the subsequence of their gappes for the subsequence of their gappes of the subsequence of their gappes of the subsequence of their gappes of the subsequence of the subseque

We have thus mentioned a few enterprises which have been under consideration and will almost certainly be undertaken at no distant day, with sufficient capital and skill to carry them on successfully; but we are fully satisfied that when the water (C tear Lake is brought into our town, we shall have a great variety of manufacturing establishments for working up wool, cotton, iron, brass, leather, into the innumerable articles demanded by the multiplex wants of society and in-

into the innumerable

#### THE NORTHERN HALF OF CALIFORNIA

We claim that Vallejo is not only better situated to be the commercial and financial metropolis of California than any other place, but that it has such peculiar advantages for being the chief railway terminus and scaport of the northern half of the State, that in a few years neither San Francisco nor Oakland will be able to offer any respectable competition.

Now, let us see what the trade of the northern half of the State is worth.

We give a list of the counties with the population and taxable property of each:

	Population.	Taxable Property.
Butte	11,315	\$ 2,614,589.00
Coluse	6.171	3,912,490.00
Del Norte	2,113	486,599.00
El Dorado	10.326	2,267,674.00
Humboldt	6.109	2,115,230,00
Klamath	1,678	399,824.00
Lake	2,873	897,087.00
Lassen	1,331	571,336,C0
Marin	6,775	2,717,603.00
Mendocino	7.025	2,237,764.00
Napa	7.155	4,027,624.00
Nevada	19,134	5,861,065,00
Placer.	11.376	3,480,208,00
Plumas.	4.490	1,201,830.00
Sacramento	27.102	11,173,704.00
Sierra	5.337	2,000,072,00
Shasta	4,191	2,000,000,00
Siskiyou	6,851	1,750,318,00
Solano	16,396	6,114,622,00
Sonoma	19,679	6,545,067.00
Sutter	4.550	2,406,295.00
Tehama	3.597	2,058,437,00
Trinity	3.173	585,005.00
Yolo	7.913	4,578,145.00
Yuba	10.865	4,066,155,00
4		
Northern Half	208,523	\$ 78,068,473,00
Entire State	557,875	252,401,337,00
San Francisco	150.378	102,587,989,00
Southern Half	198,580	71.645.875.00
Southern Hall	200,000	

We do not count San Francisco as part of the Southern half of the State, because its business is not fixed and may be transferred to other points. Mineral northern half of the State has four-elevership of the population and three-tenths of the taxable property of the State. The figures in the above table are taken from the reports of the U. S. Census Marshal and the State Surveyor General made in 1870. The taxable property of Shasta is estimated, there being no return from that county for several years past.

The north half of the State surpasses the south in the matter of railroads. The following are Vallejo roads.

California	Pacific.	Main Trunk60
44	**	Napa branch
**	66	Donahue-Healdsburg branch
44	44	Marysville branch35
**	**	Vacaville branch
44	61	Oroville branch
70-4	,	
The	follow	no are the woods running controlled and northward from Sagramon.

to, within the State line;	
Central Pacific, Main Trunk	 Miles.
" Oregon branch	 
" El Dorado branch	 45
Total	 
Add Vallejo roads completed	 208
Completed roads of the North	 491
The following branches of the California Pacific are under con	
Adelante and Petaluma branch	· Miles.
Bloomfield branch	 16
Eastern Extension branch	 
Total under contract	 184
Add completed roads	 491

Completed and under contract ..... The roads completed out from San Francisco, Stockton and Oakland, are the

Ioliowing:	
	Miles.
Wastern Pacific.	140
Southern Pacific.	100
San Joaquin Valley	20
Copperopolis	28
•• •	
Total	288
In the chose we do not count so much of the Western Desific as lies	hotmoon

Stockton and Sacramento, that section being considered as belonging neither to the north nor to the south of the State.

The following roads are under contract:	
Stockton and Visalia roud.	Miles. 25
Stockton and Copperopolis	10
Total under contract	35
Total completed and under contract	
:	

We have no report that parts of the Oregon branch of the Central Pacific, of the Southern Pacific or of the San Joaquin Valley road are under contract, but we presume that they will all advance this summer. Leaving out of consideration the 45 miles between Sacramento and Stockton, and the 19 miles of the Los Angeles road, which last is unconnected with the general railroad system of the State, California has 779 miles of railroad completed, and of this amount the north half of the State has 63 per cent., or nearly twice as much as the south, including San Francisco. Counting the miles under contract with those completed, the north has 674 miles against 323 in the south.

The north is richer in timber than the South. The Southern coast, except in San Mateo and Santa Cruz counties has little valuable timber; whereas the enti-

coast from Bodega to the Oregon line is heavily timbered.

۰	riches part of the build.	THEI	mowing names	are derived	HOM OMCIA	reports.
		Solano		Sonoma.	Yolo.	Total.
	Population	16,390		19,679	9,913	53,141
	Taxable Property §			\$3,545,067		\$21,295,458
	Acres cultivated			248,520	100,000	640,250
	Grape Vines	1,128,000	1,700,000	3,240,520	377,400	6,445,920
	Fruit Trees	86,000	115,000	357,000	130,000	498,000
	Neat Cattle	12,451	9,881	37,940	7,900	68,378
	Sheep	41,754	8,200	50,500	41,188	143,442

By these figures it appears that for every inhabitant in these four connies, clustered about Vallejo, there are \$400 of assessed property (representing at least \$2,000 of market value). 13 acres of cultivated land, 125 grape vines, 10 truit trees, 1 cow and 3 sheep. These counties have besides 160 miles of railroad completed and about 50 more under contract, thus putting them far in advance for railroad facilities of any other agricultural district of equal area in the State.

#### PASSES.

The north has the best passes giving access from the Socrumento Basin to the interior of the continent. The latitude of San Francisco is 37 degrees 48 minutes, while Baltimore, 8t. Louis, Cincinnati, and three-fourths of the population and four-fifths of the wealth, inclustry and enterprise of the nation are further north. The Pacific Railroad crosses the continent in latitude 41 degrees, 30 minutes, on the line located iso as to best accommodate the densest settlements of the npper Mississippi Valley. The richest unoccupied districts of the country are north of the milroad, extending up to latitude 55 degrees in British America, and the buils of the future trade entering California by inland channels will in the future, as also the control of th

	Latitude.	Elevation
Unnamed Pass	36 deg. 32 min.	12,057
Unnamed Pass	37 deg. 28 min.	12,400
Mono Pass	37 deg. 55 min.	10,760
Sonora Pass	38 deg. 10 min.	10,115
Silver Mountain Pass	38 deg. 30 min.	8,79
Carson Pass	38 deg. 45 min.	8,72
Johnson Pass	38 deg. 50 min.	7,32
Georgetown Pass	39 deg. 10 min.	7,33 7,13 7,05 6,39
Donner Pass	39 deg. 20 min.	7,05
Henness Pass,	39 deg. 30 min.	6,99
Ynba Gan	39 deg. 38 min.	6,61
Beekwourth's Pass	39 deg. 45 min.	5,22
To letitude 25 demons 40 minutes at the northern	and of Siome	Normala ani

In latitude 35 degrees, 40 minutes, at the northern end of Sierra Nevada and of the San Joaquin Basin is Walker's Pass, 5,302 feet high, but it has an extension

sive desert east of it, and will probably not be used for railroad purposes in many years. The transcontinental railroads to be built hereafter to California will, in all probability, enter the State north of Donner Pass, and will have their termini at Vallejo.

## THE SOUTHERN TRANSCONTINENTAL RAILROAD.

When it became evident in the summer of 1850 that the construction of the Middle Pacific Railrond had done serious injury to San Francisco, the newspapers and merchants of that city said a mistake had been made in not building the road on the Southern route, and they expressed the hope that a road would soon be made across the continent on the 35th or 32d parallel, which road they thought would bring all the trade to their metropolis and have no permicious effects any way. Their theory was that as the bulk of the population in the State belonged to the northern and middle districts, their traffic would pass through San Francisco.

#### THE THIRTY-FIFTH PARALLEL DEAD.

We can find nothing to support that opinion, which obtained currency at a time when it is proposed to cried the Kansas Pacific Railway line on the thirty-fifth parallel, and when that project had many friends in Congress, while the thirty-second parallel project had few. The main terminus of the thirty-fifth parallel and the project had many friends in Congress, while the Angeles or San Diego it would have been treated only as a matter of minor importance. But the thirty-fifth parallel project is dead; the thirty-second parallel bill has passed; San Diego is the main terminus, and the branch to San Francisco is so long and crooked and runs through so much desolate country that it cannot have much frust; and even if it were short and well strated, it would be at a disadvantucle and the strate of the project of the proposerity of which they will seek to advance because they own land there. In secal of securing the monopoly heretofore held by San Francisco, this road would aid in breaking it up, by building up a rival seaport and providing a nearer and cheaper channel to New York for the imports, exports and travel of the Southern coast.

#### SOUTHERN ROAD DOUBTFUL.

But we regard the construction of this road as remote and doubful. The resources of the company so far as known are not sufficient to do the work. The main trunk from Marshall to San Diego is 1,203 miles long, 550 in Texas and 650 in New Mexico, Arizona and California. Texas owns all the public land within her borders, and has made a considerable grant to assist this road. At the last session, Congress gave 25,500 ocres per mile in New Mexico and Arizona and 12,500 acres per mile in California. The grant in Texas has not been considered sufficient to build the road, for it was made 14 years ago, and an inhabited country, done where the consideration. West of Lexas the consideration of the construction of the construc

#### POVERTY OF THE ROUTE.

The country is poor along the whole line, and at both ends of it. Texas has 850,000 inhabitants, Arizona and New Mexico together have 100,000 inhabitants, mostly Mexicasas, and the three counties of San Diego, San Bernardino and Los Angeles, forming the southern end of Californis, covering an area of 25 miles with 150 miles frontage on the Pacific and as much more on the Coloradoriver, have only 24,000 inhabitants. With this compare the resources of the Mid-die line; several millions in lows, Missouri and Nebreska, 575,000 in Californis,

42,000 in Nevada, 89,000 in Utah, 40,000 in Colorado, 20,000 in Montana, 14,000 in Idaho, 90,000 in Oregon and 23,000 in Washington. With the prospect of the monopoly of the through overland trade, and of the important local trade of 500. Olio inhabitants near the line, with a land grant as large as that of the Southern Transcontinental road and on better soil, and with a loan of \$48,000 per mile of bonds, for upwards of 100 miles, commencing 7 miles from Sacramento, the Central Pacific Railread Company could not reach the summit of the Sicram until the Legislature of California gave additional assistance by paying the interest on \$1.500 miles of the control of the control

#### ACCESS TO SAN FRANCISCO.

The main trunk of the Southern Transcontinental road and the branch to Sun Francisco, are two separate enterprises. The franchise and land grants are held by distinct companies and the resources of the two routes are entirely distinct in character. The completion of either line does not necessarily imply, though it would assist the completion of the other. But if both were built and commanded a large trade, San Francisco would have no secure hold on it. The cars would pass through either Stockton or San Jose; if by way of the former place they would of course reach Oakland irist, and if by way of the text they could reach Oakland more conveniently than San Francisco. From San Jose two tracks run northwart; one on the eastern side of the bay has a level grade, and terminates on land and on a deep-water whart owned by the milroad company on a water from blilty grade, and terminates two miles from wharves in which the railroad company has no ownership, and on which harbor dues are collected. It is not strange under these circumstances that much of the wheat grown in Santa Clara county has year was carried by rail to Oakland and there loaded for Liverpool, at an expense of \$1 per ton less than it could have been loaded at San Francisco. We do not preview that San Francisco. We do not preview that San Francisco. We do not preview that San Francisco has any assurance that she could be the main terminus of the Southern Toanscontinental Railroad, or of the Southern Toanschinental Railroad or

#### THE RESOURCES OF OAKLAND.

In March last an anonymous pamphlet entitled "Information concerning the Terminns of the Railroad System of the Pacific Coast," was published, the purpose being to show that Oakland must be the main terminns of the railroads of California. The writer contents himself with describing the railroads of the State, and the situation of Oakland, without discussing its relative advantages, or the disadvantages of other places, and without giving an explanation of the importance of the proposed artificial harbor, any description of the work necessary to make a permanent harbor, or any reasonable estimate of the expense. The pamphlet contains maps showing the water front of Oakland, the proposed canal, and the railroads of the State.

#### THE PROPOSED CANAL.

The map represents a canal more than five miles long in a direct line. It commency at water 27 feet deep at low tide, two miles and a quarter from the shore, runs nearly east to the mouth of San Antonio creek, with a width of 390 yards, bends about ten degrees to the northward, and runs in that direction for a mile, wideling out to 400 yards, bends fifteen degrees to the southward and runs with a width of 400 yards to the end of the harbor, which there enlarges into a basin a mile and a fifth long and three-fifths of a mile wide. The frontage is all a miles long. An arm called Lake Merritt, not intended for navigation, about two miles long and a fifth of a mile wide, lies between Oakhand and Brooklyn. The whole area covered by the canal, its basin and its Lake Merritt branch, is about 1,200 acres. The present depth of the water at the end of the proposed canal as we have said is 27 feet at low tide, and it gradually decreases as we go castward, in a

mile and a quarter to 3 feet on the bar; then increases again to 20 feet at the mouth of the creek, shallows to 11 feet at the Broadway wharf, and deepens to 23 feet about a mile and half above Broadway wharf. This is the natural depth; but after the construction of the walls, the depth would be increased to 20 or 22 feet

at low tide to enable large ships to lie in the canal.

The proposed canal outside of the present mouth of the creek is as long as the railroad wharf, and parallel with it, and distant from it nearly one mile to the southward. According to the map the wharf, for its entire length, is on a tract of land about a fifth of mile wide, belonging to the railroad company, which also has a tract about 5,500 feet long and about 1,000 feet wide on the southern bank of the canal, near the mouth of the creek, and another tract about 600 feet wide and 1,000 feet long, with the longer front on the southern bank of the canal at its outer end. A car track is to run along the entire length of the harbor on its southern bank, about 300 feet from the water's edge, and along the eastern and northern bank for a mile and a half-

The map of the water front in the pamphlet, we are told, has been copied by permission from an elaborate map which the Water Front Company has recently prepared; and "the proposed line of crib-work on the sides of the canal is the line established by the engineers employed by the company." We are not informed when the work of fitting this canal for commerce is to be commenced or

finished.

We admit the fact that an excellent harbor can be made at Oakland in the manner proposed, and that the harbor once made will, by the force of the tide, be kept deep; that the expense of making 13 miles of water front available for use of shipping will cost much less on this canal than on the wide mud flats of San Francisco south of Rincon Point; and that as Oakland, in comparison with San Francisco, has superior advantages for railroad and harbor facilities, and also has a better site, it would inevitably surpass the latter place if the contest lay between them alone.

#### THE WATER FRONT CONTRACT.

On the 1st of May, 1868, a contract was signed between the Western Pacific Railroad Company (now merged in the Central) and the Oakland Water Front Company, in which it was stipulated that within three months the Western Pacific. Induiroad Company should select 500 acres of the water front in one or several strips 100 feet wide for the right of way, and within a period of three years from date should "complete a railroad connection from its main line to the said parcel or parcels thus selected by it, or one of them, and will within said time complete such rulinoid connection thereto; and further, will creet and construct on said selected purcels, or one of them, the necessary buildings and structures for a passenger and freight depot, for the use of its railroad, expending upon its said premises within three years not less than \$500,000 in gold coin."

It was also stipulated that Horosce W. Carpentier should receive 25,000 shares

of the stock of the Oakland Water Front Company, Leland Stanford 20,000, and J. B. Felton 5,000. The requirements of this contract have been fulfilled—so far as the public have the means of knowing; the improvements have been erected; the money has been expended; the terminus has been made. And it is so far the only terminus, and the company have shown no desire to make a terminus elsewhere. Their chief interests are at Oakland, and it is proper, in a business point of view, for them to assist in building the place up. They have 500 acres of water front land belonging to the company in its corporate capacity; they have 70 acres of water front land belonging to the company in its corporate capacity; they have 70 acres of which are not because of the hard search to the control of the capacity of the company of which are not because of the capacity of the company of which are not because of the capacity of th acres of up-land near the end of the wharf, and have several hundred acres back of Brooklyn and two other tracts. The members of the Board of Directors in their individual capacity, own four-tenths of the water front (there being about 5,000 acres in the entire tract), and Leland Stanford has purchased the Warm Springs property, 20 miles from Oakland, valued at several hundred thousand

If the purposes of the Central Pacific Railroad Company are to be inferred from their actions, it is clear that they intend to make their sole terminus at Oakland; and if their present intention and influence could decide the location of the main railway centre of the State, we should consider it useless to argue the matter. Their decision has been made, but it is not conclusive. It is one of the disad-

vantages of Oakland that no combination of capitalists, railroad and steamship companies, can secure its success until after the construction of a secure harbor. companies, can see the access the same and the same and the same and the winds which would require a large expenditure and years of time; and even after the commencement of the work the death of a few of the projectors, or he advice of engineers might cause an abandonment of the enterprise and the transfer of the influence to Vallejo, which at any moment, by a combination of the Central and Callonia Pacific Bailroad and the Pacific Mail Steamship Companies, could be converted at once into the great and only railway centre of the State, and from that time forward its superiority would be secure against all opposition. Its harbor, its railroads are complete, and its water front and warehouses can be fitted up in a few months to accommodate a large commerce.

Goat Island has been mentioned as a point where the Middle Pacific Railway should make its ultimate terminus; but the Federal Government will probably retain possession of it for military purposes; but the island, if given for a railway terminus, would never be of much use. It is not strange that the Central Pacific Company should be willing to accept it as a gift, but they have not offered to pay for it, or even to give security that they would make their main terminus on it if it was granted to them. The island has an area of 141 acres, and rises to a hight of 343 feet, with steep banks on the north, south and west, and no flat land near the water level, save a few acres to the east. No part of it is fit for the erection of business houses; none of its water front could be conveniently fitted for an anchorage. On three sides it is exposed to winds so strong that vessels could not tie up to the wharves, and the wharves themselves would be expensive and insecure. The cost of grading an average acre of the island to a level suitable for business would be \$75,000, with no prospect of any adequate return. The banks of San Antonio creek furnish a much better and cheaper place for a harbor and railway terminus.

## VALUE OF GOAT ISLAND FOR MILITARY PURPOSES.

In 1867 the Terminal Central Pacific Railway Company, which proposed to construct a road from Vallejo to Oakland, solicited Congress for a grant of Goat Island as a Terminus. The application was referred to the engineers of the U. S. Island as a remains. The appulention was reterred to the engineers of the C. S. army, stationed at San Francisco, for their opinion of the importance of Goal Island in a military point of view. Major G. H. Elliott, Major G. H. Mendell and Gen. B. S. Alexander made their report on the 8th of Jamany, 1885, to the effect "that no portion of the island or of the adjacent shoul, should pass out of the control of the Government." They say:

The great importance of Yerba Buena Island, if occupied in time of war with long range guns, as securing the water front of the city of 8m. Prancisco from occupation by a hostile fleet, should such be found in the harbor on the declaration of war, or should istanceed in entering the bay, either by force, by stratagem, by surprise, in a dense fog or the darkness of night, has been acknowledged by all our engineers who have aconsidered the subtact. The challest "the leads of the contraction of the contra been acknowledged by all our engineers who have considered the subject. The island will cover by its fire the entire water front of the present city of San Francisco, and it is the last point from which the anchorage in front of the city can be defended.

The Board of Engineers were of the opinion that if the island were granted with the privilege of building a wharf or bridge across from the mainland, Congress might afterwards feel compelled, on account of some accident or fears of travelers to allow the construction of a solid embankment from the island to Oakland, thus increasing the speed of the tide along the water front of San Francisco and threatening serious troubles to its wharves and business. The people of Oakland and the people of San Francisco are alike opposed to Goat Island as a terminus, and the Goat Island Terminal project, is, we believe, dead.

#### THE STOCKTON SHIP CANAL.

The question whether it will pay to construct an artificial harbor at Oakland will depend partly on the question whether the heavy freight could be transferred more cheaply between the car and the ship at some other point further inland. All the freight going to or from Oakland by rail would have to pass through Vallejo, Antioch, Stockton or San Jose. The two former are accessible for large ships; and the two latter can be made so. Stockton lies east of Oakland, 85 miles distant by rail and 125 by the navigable channel, which is 20 feet deep at the shallowest, and several hundred yards wide at the narrowest, up to within 13 miles of Stockton, but boats drawing over 5 feet cannot reach the city at low water. In the Coast Survey Report, of 1866, may be found a chart showing the size and depth of the channel in Suisun Bay and in the San Joaquin river to a point near Stockton.

A company has been organized to cut a canal from the town to the deep and . wide channel in the river; and Gen. Alexander, of the U. S. Engineer Corps, having examined the country, has made a written report, to the effect that the project is practicable, and that a canal 106 feet wide at the water line, 20 feet deep at mean tide, and 12 miles long, will cost \$1,207,000 with certain basins and canals. adds that "the day is coming, if it has not already come, when the San Joaquin valley will demand a cheaper outlet for its productions than it is possible to obtain by railroad or a system of railroads, and a narrow, crooked and shallow river." The company propose to reduce the expense to \$\$43,000 by reducing the width 3 feet, the depth one foot, and omitting several of the basins designed for turn-outs and other purposes.

Although there is no probability of the construction of this work soon, yet just as the trade of Oakland increases, will the prospect of profit from such a ca-nal improve. Besides if looked at critically, the enterprise has much to commend it, and Oakland can never be secure against it. Nature is favorable, and a combination of capitalists may be formed at any time to carry it out. The San Joaquin valley is now dry and most of it untilled and sparsely populated, but it has a good soil, and resources for irrigation greater then those of Lombardy, so it cannot fail in time to become populous and wealthy, and when it does, then the eastern terminus of this canal will be the centre of an important city. The capitalists who minus of this canal will be the centre of an important city. The capitalists who cut the canal might find an additional inducement to undertake the work, in the possibility of building up a large town on a large tract purchased at a small price. The town lots in a place of the size and business of Stockton are worth more than enough to pay for two such canals.

#### PROPOSED SAN FRANCISCO TERMINUS.

The Central Pacific Railway Company owns 641 miles of road in California, and 605 miles in Nevada and Utah, or 1,246 miles of completed railroad in all, and hold besides land grants from the Federal Government for 1,190 miles more, so that when finished their roads will reach from the Colorado river to Oregon. value of their roads with their lands may be estimated not less than \$20,000 per nile, or \$25,000,000 in all, leaving their insecure land grants and franchises out of consideration. This is a large property, and the management of it so as to se-cure the most profit in accordance with sound business rules, requires much atten-tion and judgment. We take it for granted that the leading directors and chief stockholders, Leland Stanford, Charles Crocker, Mark Hopkins and C. F. Hunt-ington, intend to manage their roads on business principles exclusively, that is, so as to make as much money as possible for themselves in a reputable way. Their roads give them great influence, and their interests must not be overlooked. They have not explained those interests to the public, however; on the contrary, They may be described in a very reticent way, so we must depend to a certain text upon inference when we wish to ascertain their purposes as to the future. It has been asserted in the Oakland papers that the Central Pacific directors have 2,000 acres of Oakland water front in their individual capacity as members

of the water front company, and 500 acres in their corporate capacity, and about 400 acres of upland in Oakland and Brooklyn. Their titles in those places are perfected. They have solicited a grant of Goat Island from Congress, but have

not obtained it.

### THE MISSION COVE GRANT.

So far as known they own no land in San Francisco, either in their individual or corporate capacity. They hold, however, a conditional grant from the State of sixty acres of submerged land in Mission Cove, thirty acres for the Western (now Central) and thirty acres for the Southern Pacific Railroad company. On the

30th of March, 1868; the Legislature passed an Act giving the land under the condition that 'unless the said companies shall, within thirty months from the passage of this Act, make the terminus of their roads upon the said premises, and expend thereon the said sum of \$100,000 such, then any grant herein contained appeal the control of the said sum of \$100,000 such, then any grant herein contained passed, extending the time eighteen months; so the limitation will cayire on the 30th of March, 1872. About ten months' time remains in which to do the work,

upon which no commencement has yet been made.

It has been asserted that the company intend to comply with the conditions and get this tract of sixty acres; but looking at the matter in a business light, we have our doubts about that. If they have had such an intention, they ought to have commenced work long ago. They cannot build their road to the designated spot and make a proper terminus within ten months without incurring much uncessary expense. Haste in railroad work adds greatly to cost. The Act seys the company "shall make the terminus of their roads upon the said premises" theore the 20th of March, 1872, and by that language means, as we understand it, that they shall, on or before that day, have a continuous track from San Jose to tings there at an expense of \$80,000, and say "this is our terminus." The law requires something more than words for the making of a terminus. There must be a station fixed for business, the track must be in a condition for use, and the cars must run. The Legislature granted four years' time for doing the work, and not for words.

# CHARACTER OF THE TRACT GRANTED.

No part of the sixty acres is fit for immediate use for any business purpose. It is all submerged land, a quarter of a mile from any business bourses. No building could be erected on it until a foundation had been made by piling or filling in the piling would not support heavy structurers, for the mud is in places 80 feet deep, and the longest piles would not reach to the rock, and would continue to sink under a heavy weight. Pilling would be very expensive, because the water surrounds the place, and the sand and clay would be washed away on all sides. The railroad tract lies across the month of Mission Cove, and in such a manner that if allied in the cove will be converted into a little bay with narrow outlets, we will of stone or ribbing of logs to contine the earth or sand would be very expensive. In the present condition of the cove, the filling of sixty acres with any material that will furnish a solid and durable foundation, will cost more than a tract large enough for terminal purposes would cost on the upland. If any filling is to be done in a place surrounded by water, the end of the buckland wharf would be preferable; for there they have a hard bottom, and sand, if thrown down inside of a tight crib, would sixty there; but in Mission Cove it would keep sinking and the mud would give way under it and rise up elsewhere, just as it does at places the contract of the main terminus of the Californian Ballway system in the near vicinity.

# ACCESS OF THE TRACT.

After filling in the sixty acres the companies would have to by the truck to reach it. The State has granted a right of way for such a track to run from the southern end of San Bruno mountain, about twelve miles from the city, along the western shore of the bay, in some places over the waters, and at others over projecting points of upland. The largest point to be crossed is that of South San Francisco, where a tunnel more than half a mile long would be cut under a hill 250 feet high at the summit. These twelve miles of road would be very expensive. Nowhere is the work light. Deep rock cutting, filling in of submerged land, piling and tunnelling make up the entire distance. The Legislature could grunt the right of way only across the submerged land belonging to the State; elsewhere,

including probably half the distance, the right of way must be obtained from individual property owners. We do not hear that any such right of way has been secured. But it would not be sufficient to make twelve miles of new road along the bay show near the city. San Francisco would still be forty miles farther than Oakland, and to put the route on an equality as to distance, it would be necessary to run a road twenty miles long from NJest to Redwood, crossing the bay near the latter place. We presume that the Legislature would permit this, though it would be Stockton would be the same to San Francisco as to Oakland.

The completion of all this work in an economical manner would require at least eighteen months; and as the Directors of the Central Pacific Railroad Company are men of much business capacity and experience, we must assume either that they have no intention to run their cars to a terminns at Mission Cove before

the 30th of March, 1872, or that the intention has been adopted lately.

# INJURY TO OTHER PROPERTY.

It is impossible to make the distance to San Francisco less than to Oakland, and to reduce it to an equality requires the construction of thirty-two miles of new road, mostly in tule or in the bay, at great expense, and the effect would be to destroy, or at least reduce the value of, other roads already in existence belong-

ing to the same company.

The value of the Central Pacific Railroad Company's property at Oakland depends almost entirely upon the terminal business. When that ceases, the water front will become worthless. The Directors, according to current rumor, in their corporate and individual capacity have 2,800 acres or more in and near Oakland and they have expended \$1,000,000 in improvements there. Is it probable now that for the sake of sixty acres in San Francisco, unfit for nee until after a great expenditure, they will depreciate the value of \$2,000 acres in Oakland?

#### THE SHORT CENTRAL ROUTE.

We have already mentioned the proposed short ronte or air line road from scenament to Oakland. This line is to cross the Sacrament or river near Sacraments city, run in a straight line southwestward over the tules, cross the outlet of the Sacramento basin near Antioch or near Benicia and reach Oakland in Stulies. Such as the second of the second of the second of the second of the second a survey which is about completed; and various publications which have the repute of being made with the approval of the Directors have said they will build it.

The construction of the road would not pay for the way Irade. The tute northwarf from Suisun Bay on the line is uncompiled and unproductive. South of Suisun Bay the line will be help. Everywhere the work will be costly; the line will be near navigable water traversed daily by steamers, and will be between two other railroads not far distant and connecting the same terminal points. These facts preclude the idea of reliance for profit upon way trade. But if the road is to be built to accommodate the through trade, as the railroad organs declare, what would be the use of a terminus in Mission Cove? Passequers will not go 80 miles by mil to reach San Francisco after arriving at Oakland. It would searcely pay to send freight around that dislanes. Transhipment by the ferry beat would be preferable. This short route reaching Oakland from the south in 80 miles from Sacrumomo and as once taking all the through rade of the Cental Excit allowed terminus in a stronger light than ever. We are not prepared to believe that the company will build this short route and also make a terminus at Mission Cove. The two projects do not harmonize, and we prefer to believe that the San Francisco terminus will not be built.

# THE AMERICAN NAVY.

Our nation ranks next to Great Britain in the tonnage of commercial marine, and although our shipping and ship-building interests have suffered a great decline in the last ten years, yet our position, our wealth, our extensive sea coasts, and our resources in iron, timber and skilled labor, make it certain that at no distant time we must take a far higher place than ever in commerce of both oceans. A navy is necessary to all civilized nations; it is a powerful agent for preventing invasions, and making attacks, and it is free from many of the dangers that arise from the concentration of large land forces. The American navy is relatively very small its tonnage is only a little over one per cent. of that of our commercial marine, while in England the navy has nearly five per cent, and in France twelve per cent. In other words the French navy is relatively ten and the British four times larger than the American navy. We had in 1889, 37 ships in commission, measuring 55, 455 tons; the British 191 ships of 328,614 tons, and the French, 150 ships of 250,-It is useless to attempt any comparison on the number of guns, because by the late improvements in making cannon the number of pieces has become a matter of little moment.

# INEFFICIENCY OF OUR NAVY.

Not only is our navy small, but it is shockingly inefficient. The annual report of the Secretary of the Navy, for 1870, contains a report made by the Naval Board of Examiners, who say that our navy is in a "lamentable condition" as to ships, and that we have not a single vessel fit "to cruise in war with an impunity commensurate with her class." This implies that some of them might make a respectable fight when attacked, but that not one could go out to sea and overtake a first class British or French vessel of the same size, with any hope of taking her. The sailing and fighting qualities are not combined as they should be. The Naval Board of Examiners consisted of Admiral Goldsborough, Commodore Boggs and Isaac Newton, and the two first are men of high reputation. In his official report for 1870, Admiral Porter expresses himself to the same effect.

Not only were their sweeping condemnations of the navy presented to Conress by Secretary Robeson without a question of their accuracy, but in neither gress by Secretary Rooeson without a question to their accuracy. Honse of Congress did anybody senture to raise any question; and Secretary Robeson in his own report confirms the statements. He said that we have not one first class sea-going ironclad nor one swift cruiser fit to overtake and fight such a vessel as the Alabama. He used the following language in 1869:

It is the habit of every foreign nation making any precusion to maritime power, to keep our versistion one or more special in the engoing broaded, squared proteined, squared the foreout of which our wooden vessels on the same station would be powerless. In the event of a war, our ships would be uncleasily actified, or obliged to find sately in neutral ports, or bandoning the sea and leaving our commerce to its fate, to seek on our own shores the protection of our monitors and forts. It is not doubted that any war with a foreign enough must be a maritime one. The american people are accustomed to success on the ocean, and they would have little cases and the original properties of the case of the case of the case of the case of the original properties. ing ignominiously to our shores.

ing ignominously to our shores.

Yet we have not, at this time, on any foreign station, a squadron whose combined force would avail for a day against the powerful sea-going ironclads which both France and England have on

the same stations.

#### NAVY YARDS.

Navy Yards are necessary for the construction and repairs of war ships, and for the storing of material to be used by the navy. There are eight yards in the United States; one each at Portland, Boston, New York, Philadelphia, Washington, Norfolk, Pensacola and Mare Island; seven on the Atlantic and one on the To a country is on this side of the continent. Not only are that half the coast line of the country is on this side of the continent. Not only are the Atlantic yards more numerous, but most of them are better fitted up and are prepared for doing more work than our own. All of them, however, are in a shabby condition. Secretary Robeson, in his report for 1869, said:

The great maritime powers of Europe have immense establishments, built and maintained at great expense, and furnished with every means for the rapid construction and fitting out of their flets. The first official act of my immediate predecessor was the appointment of a Board to examine and report the condition of our Yards, and I have myself visited and inspected most

of these on the Allactic cases. They we presently of small expectly and ill-adapted to near the requirements of modern mard construction. Some were obtained at a companishing state, date, apparently not providing for the future, and are not, in the present position, associatible of much improvement; and others, though of larger capeality, are at present poorly supplied with the means of rapid work. We have seven regularly established Navy Yards. Not more than two of these are capable of fitting out more than two of three vessels at one time.

# IMPORTANCE OF MARE ISLAND.

As we have only one yard on the Pacific and in time time of war it might be called on to reft a number of vessels belonging to the Pacific squadrons, and as we lack here the great factorics and supplies of machinery and materials found in the Eastern States, it is especially important that Mare Island should be fitted up in the most complete style, at least equal to any yard in foreign countries.

The report of the Secretary of the Navy for 1870 contains a report of Admiral

Porter, who said:

Mars Island is destined in time of war to be the most important of our dockyards, and herefore beg lave to invite your particular attention to it. It is evolute that in the future all for our shape in the Eastine will have to depend upon the Mars Island Navy Yard for repairs. The will be found much more economical to first oversity for the long passage around the Cape of Good Bory, via Erazil, or the troublessom and extended the long passage around the Cape of Good Bory, via Erazil, or the troublessom and extended the long passage around the Cape of Good Bory, via Erazil, or the troublessom and extended the long passage around the Cape of Good Bory, via Erazil, or the troublessom and extended the long passage around the Cape of Good Bory, via Erazil, or the troublessom and extended to the Cape of Good Bory, via Erazil, or the troublessom and extended in the contract of the days, or this way of the Sact Caral in less than sarty-free days, while the voyage from San Francisco to the same point can be referenced in treenty-spik days. This is at once an argument in favor of fitting vossile good also ter laying the vessels up there, and they can reach California from the China some quicket than they can the Eastern const of America, to say nothing of the war and tear of the cape of the Earty-free days, while the voyage from the Eastern contract of the Eastern Cauch and the California from the Eastern Cauch for labor is gradually approximating in price to the same interest of the Eastern Cauch for labor is gradually approximating in price to the same sexual docks, storely uses, question for their sex and were natural of all sines, for the supplying exercise of the California from the Eastern Cauch for labor is gradually approximating in price to the same sex and the call of the Eastern Cauch for labor is gradually approximating in price to the same sex and the call of the Eastern Cauch for labor is expended for the Eastern Cauch the same paragraphic from for the above objects at

If have no doubt that in a few years we shall be able to build as strong and chaop vessels in Catillorius so no the Eastern coat, for labor is granularly appreciating in price to the same several docks, storic uses, and were material of all kinds, for the supplying crossels. It would be a vise commy to make ample apprepriations for the above objects at offered to the control of the supplying of vises. It would be a vise commy to make ample apprepriations for the above objects at the tools and pieces of machinery, which can be made in San Francisco, require time to get them ready for use. It is important that shilled labor in ships and stem machinery should be encouraged in that quarter, so that the Government can depend on a sufficient number of mechanisms of the control of t

# SQUADRONS AND CRUISES.

Our navy is divided into five squadrons. The Pacific Department, including the western coast of America, Polymeis and Australia, has 12 vessels and 128 guns; the Asiatic department including the Asiatic, Malaysian and African seas from the mouth of the Amazon to the Cape of Good Hope, has seven vessels with 88 guns; the North Atlantic, including the censts from the mouth of the Amazon to Greenhald world north of the Equator, has 8 vessels and 129 guns; and the South Atlantic, including both coasts of that occan south of the equator, has 4 ships and 44 guns. Our war ships are fitted up to cruise for a period of three years. The men are chisted for that time and the ammunition and stores not perishable are calculated to last of the period, and as if takes many months for a school so the toursurf and home voyages. For many years it was customary on account of lack of supplies and machinery and the high price of labor at Marc Island, to send the ships of the Pacific and Asiatic squadrons to Atlantic Navy Yards to be refitted at the end of every cruise, thus consuming about one year out of three in a long, uncompared to the contract of the properties of the properties and machinery and the more of the driven and the supplies and machinery and the more of the driven and the supplies and machinery and the more of the driven and the supplies and machinery and the machine of the driven and the supplies and machinery and the supplies and machi

present Secretary of the Navy; and when the Government acts on that opinion. and puts our navy on an equality as to strength and efficiency with that of Great Britain, there will be steady work for years at Mare Island for 10,000 men; whereas the largest number employed heretofore has been 2,000, and they were retained only a short time, the average being 500 to 1,000.

## IMPROVEMENTS NEEDED.

The Alta California in an article published several months ago said:

At the last session of Congress, a resolution was introduced to abolish all the Navy Yanks on the Atlantic save two, but no action was taken upon it. It is to be hoped that it will pass, and that the two retained and the Mare Island Yard on this coast will then be put into the highest condition of efficiency and supplied with all the material requests for designs even in remote condition of efficiency and supplied with all the material requests for designs even in remote condition of efficiency and supplied with all the material requests for designs even in remote condition of efficiency and supplied with all the material requests for designs even in the condition of the condit that the 'we' Nelance and the lates' island and on this coast will this be printed the most contingencies. We have endeavored to find a delatical stater, such of the docks, machinery and material as Woolwich, Cherbourg, and other Navy Yards of Diction and France, but did not make the state of the coast of the state of the coast of the state of the coast of the state of the state

matery:	
Stone dry dock	.\$1,500,000
Mast House	120,000
Boat shop	. 50,060
Rigging and sail loft.	. 60 000
Timber and lumber store sheds	. 180,000
Building for ordnance establishment, machinery, etc	. 300,000
Ship houses, launching ways, etc	250,000
Carpenters' workshops, with machinery, etc	120,000
Storehouses	. 180,000
Chain cable and anchor shop, with machinery	. 270,000
Iron-plating shop, with machinery	. \$00,000
Completion of foundry and machine shop	. 200,600
Wharves, slips and hoisting cranes	
Completion of provisions and clothing establishment	. 150,000
Office buildings and dwelling-houses	. 114,000
Miscellaneous buildings and machinery, water works, etc.	. 500,000
Grading and road-making	
Contingencies	

Even if Congress should allow our navy to remain in its present relative inferiority and should neglect to provide machinery and material at the yards in

time of peace, so that we might build, repair and supply vessels expeditiously in case of war, still Mare Island must in any event increase in importance with the growth of the navy and the development of commerce of the Pacific, and be a source of perrennial profit to Vallejo.

## THE NEEDS OF OUR TOWN.

If we have stated the absolute and relative advantages of Vallejo correctly, our readers will agree with us that the town has at least a possibility of becoming a great city. The conversion of that possibility into a fact, would be greatly hastened by such assistance as capitalists could give with benefit to themselves. The land of Vallejo within a radius of four miles from the railroad, is worth now about \$4,000,000; and the land of San Francisco within an equal area is worth The expenditure necessary to make the land of the former equal \$150,000,000. in value to that of the latter would in our opinion, not exceed \$50,000,000, and this sum invested in railroads, water works, houses, and wharves, would pay a good direct profit, as well as a much better indirect profit, by increasing the value of land. If this opinion is sound, the speculation is magnificent. The amount is immense, but so is the reward. We submit the idea to capitalists and suggest they

take the advice of engineers upon it.

We do not consider so large an expenditure indispensable; in fact we are satisfied that without any farther aid from great capitalists. Vallejo would now gradually work its way up to the first place among the cities of California. But as we have said, money can hasten our growth. The improvement most needed is a nullroad to New York. At present the Central Pacific Company find a profit in preventing any of the trans-continental travel from passing throughour town; and as they have great power in their hands, it is used to our injury. We do not complain of them, for they do no more than other railroad companies generally do under similar circumstances. But we should put them, if possible, in such a sitnation that we can either take all their business, or compel Chem to bring it to us. They will be in that situation when the Eastern Extension of the California Patien Endroud is built, as proposed. The construction of that road will to the gen. eral public be convincing proof that Vallejo is to be the metropolis of California

The completion of the Sonoma road to Bodega, Mendocino and Humboldt Bay will also be extremely beneficial to the town. The richness of the soil, mois-ture of the climate, the excellence of the natural pastures, and the immense forests, will attract a large population as soon as railroad communication is opened. These foresis are probably unparalleled in their value. They are dense, and the trees are of great hight and thickness, and of an excellent quality, nostly red-wood, which is preferred to any other on you coast for finishing and positions in which durability is, required. They extend back thirty or forty miles from the ocean and in many places will remain untouched until made accessible by ruil. The scarcity of this kind of timber elsewhere, and of any kind of timber in valleys, will contribute to make Vallejo the chief centre of the lumber trade of the

State.

It is questionable, however, whether Vallejo has greater immediate need of railroads or water. The latter can be supplied at much less expense and would perhaps render quite as much service. If an aqueduct with a capacity to carry all perhaps render quite as much service. If an equation the town would very the surplus water of Clear Lake basin to Vallejo were built, the town would very soon be filled with factories, and these would attract population and capital, and make business. There is a great lack of a good site for factories—such a site will be supplied when the waters of Clear Lake-not less than 40,000,000 gallons daily,

run into Vallejo.

The present main water supply of the town is obtained about five miles dis-The Vallejo City Water Company have constructed their works, and claim that in ordinary seasons they can supply 3,000,000 gallons daily. They have a reservoir with an area of 100 acres, a dam 30 feet high, an elevation at the bettem of 170 feet above tide level, and a capacity of 2,000,000,000 gallons. The water is mainly to be derived from the rain fall, on a catchment area of 5,000 acres; for there are no constant streams on the land or only very small ones. Other supplies of water, however, farther up in the mountains, can be obtained and brought into the reservoir.

The water front needs improvement, and we incline to the opinion that the best plan will be to have no projecting wharves which check the current and facilitate the deposition of mud. With a smooth and tight bulkhead made of stone cr durable wood, the shipping will find sufficient accommodation and the harbor will

be protected against encroachment

About 150 feet from the water line there should be a wide street, running the whole length of the front. This street should have a railroad track open to every road running into the town and should have switches leading off to the water edge, at every point where business will justify the expense. Between the street and the water, warehouses should be built so that freight can be transferred from

the ship to the point of storage by passing our more than ten steps.

A present our town lacks the houses, elegate gardens, and smooth pavements.

Our site, our soil, and our climate give us the opportunity to make a beautiful
city, and we shall do all in that respect permitted by our business and circumstances. We need fine meadamized roads to the Vallet's Salphur Springs, to Benicia, to Napa, and to many other places in our vicinity attractive for considerations of business or pleasure. We also need a horse railroad to Benicia, which is five miles east of Vallejo, on the bank of the Strait of Carquinez, and has been supposed by some persons to have a better site for a city. The two towns are Benicia has a wider separated by hills and the two harbors by a bluff point. Benicia has a wider anchorage, but the solid upland is uneven and it is separated by marsh from the water front, so that considerable sums will be required to grade the streets and prepare the lots near the water for convenient occupation.

#### NEWSPAPER OPINIONS.

An opinion, entertained by only a few persons, and rejected by the great majority of those who have examined it, is presumptively unsound. On the other hand, if the majority, especially of the intelligent men, adopt an idea, that fact raises a presumption in its favor. We believe most of the disinterested intellegent men in California now regard the commercial position of San Francisco as very insecure. We quote the following extracts from various newspapers about San Francisco or Vallejo:

[From the San Francisco Bulletin, October 30, 1869.]

The district that Vallejo can and will control is large enough, fertile enough and soon will be opulous and productive enough to realize for that town a leading position among interior cities. It is larger and has more resources than several entire States.

[From the San Francisco Bulletin, January 5, 1869.]

Vallejo has gained largely in population, wealth and improvements during the year, by the completion of the California Facific Editoral to Searmento, and will gain more by the extension of the road to Marywille, connecting with the Oroville Editoral, and traversing the most populous and productive portion of the Searmento valley. The place is destined to be one of the leading cities of the future.

[From the San Francisco Bulletin, May 22, 1871.]

Vallejo will be an important railway centre as well as a considerable shipping port.

[From the Morning Call, October 28, 1869.]

The experience of the present year demonstrates what was long since predicted, towit '
That the railroad commerce north of the Straits of Carquinez, would concentrate at Vailejo or
Benicia unless the Straits of Carquinez be spanned by a bridge, \* \* We confess that wed
not see the economy of bringing grain and other produce destined for shipment seaward all the
wave mount below. way round the bay.

[From the San Francisco Alta California, June 13, 1871.] If completed as proposed, it [the California Pacific Eastern Extension Railroad] will contribute much to the prosperity of Vallejo, which seems secure of considerable growth in any

e vent. (From the San Francisco Chronicle, November, 1870.)

If the tide of commerce changes as rapidly against San Francisco during the next two years as it has during the last one, we may expect to see Vallejo import direct.

[From the San Francisco News Letter, May 27, 1871.] So far as there is any rivalry between Vallejo and Oakland for commercial position, the latter may as well give up the contest.

[From the Sacramento Union, December 25, 1868.]

The questions in which all cencerned are most interested in solving, are: Can San Francisco ever become a railway centre for this State? and would it not inflict a great wrong npon the function are the resultarily make her what from her position she never was intended for, when there is another and incomparably better locality?

[From the Sacramento Union, December 11, 1868.]

Of course when the world's trade passes through California at the rate of a million tons per ir, it will seek two things, the quickest and the cheapest rontes. We think both these would year, it will seek two things, the quickest and the the array centre at the Straits. be secured by making the great commercial depot and railway centre at the Straits.

[From the New York Commercial Advertiser-date lost.]

She [Benicia] has as large a port as San Francisco, with an immense territory at her back to be traversed with arteries terminating at her door, while San Francisco is comparatively isolated from all but the ocean, with nothing in the rear, and confronted by the increasing shadow of her rival.

[From the Stockton Independent, December 5, 1869.]

Stockton and Vallejo are situated at points that, with proper enterprise and industry, will make them commanding positions for nearly the whole of the interior trade of the northern and southern portion of this Bate.

# [From the Chico Courant, December 12, 1869.]

Let her [San Francisco] change her course, and like Chicago send her iron arms into the country and open up the State, and bind it to her with iron bands, or she will see a city opening up at Vallejo or some other point on the bay, that will not only be a rival, but will cellpse her.

[From the Oakland Transcript, January 17, 1870.]

A cursory examination of the yet incomplete rainced space of California, and a little study of the comparative importance of railroad and deep sea commerce, will convince any intelligent person that Sun Francisco will lose a large proportion of her present and prospective trade, unless her people bestir themselves.

[From the San Jose Patriot, November 1, 1869.]

Railroads make cities, and where a place becomes the centre of a system, tapping all portions of a great and rich State, and the terminus of a line crossing a continent, its rapid growth may be considered assured.

[From the Sacramento Bee, November 9, 1870.]

For a year past the shipping business of San Prancisco has been rapidly fulling off, while Vallejo has been successfully bidding for it by offering low rates of wharfage. At first imperiors San Francisco, which—as one of our most gifted orators once said—"has risen from the land and sas, as if by the stroke of some enchanter's wand," shooted the idea of ever having a commercial rival on this coast; but time has shown that she was mistaken.

[From the San Mateo Gazette, January 28, 1871.]

It is quite probable that all freight coming from Chins, Australia, and the Islands of the Pacfic, and intended to go by rail to the Atlantic States or Europe, will not stop at San Francisco wharves at all.

[From the Sacramento Reporter, July 1, 1870.]

In a very short time the grain trade, save perhaps that of San Mateo and a part of Santa Clara county, must entirely leave San Francisco.

#### GEN. PERSIFER SMITH.

It is well known that the officers of the army and navy in 1849, including Gen. Persifer Smith and Commodore Jones, the highest officers in their respective departments on this coast gave their opinion that the chief city of California should be at the strait of Carquinez, and in accordance with that advice, the head-quarters of the Department of the Pacific were established at Benicia, where the Government still has barracks and a large military reservation. On the 5th of April, 1849, Gen. Persifer Smith, after having been in San Francisco a short time, wrote thus to the Adjutant General at Washington:

The town of San Francisco is in no way fitted for military or commercial purposes; there is no harbor, a bed inading places, bed water, no supplies of provisions, an inclement climate, and it is cut off from the rest of the country, except by a long circuit around the southern extremity of the bay. In time of war, enemies' troops could be landed many miles south of the entrance of the bay. In time of war, encuries troops could be sauded many miles south of the entrance of the bay on the see beach, and thins cut it off by a short line across the pointsain on which it stands. There are points on the bay, more inland, having good harbors and landings, good water, end open to the whole country its the rear, and accessible without difficulty to reseals of the largest class. I propose to go to-morrow in the Edith, with Commodote Jones and other officers of the army and away, to examine the Stratist of Carquine, said to combine most advantages.

On the 9th of April, Gen. Smith again wrote, as follows:

On the 9th of April, Gon. Smith again wrote, as follows:
"We anchored at the upper end of the straint of Carquines. The distance of this point from
Smcellio is about twenty-one miles, and from the sea twenty-four—showing that, with a fair
Smcellio is about twenty-one miles, and from the sea twenty-four—showing that, with a fair
is generally row two to fire miles wide. The officers of the cost survey, and such sted officers
an were present, were all of the opinion that there was a perfectly good and sufficient beating channel without obstraction for reseals of war of the largest class from sea to the upper end of the serial
with the lower end the land is bold and high on both sides; half way up our the north side, the hills
the lower end the land is bold and high on both sides; half way up our the north side, the hills
recede from the water, leaving a very flowering the side of a town larger than is likely to critic any
recede from the water, leaving as very flowering the side of a town larger than is likely to critic any
other on the waters of the bay, for commercial, naval, and military purposes, I would respectfully suggest the laws to be proposed for establishing posts of entry, depots, admiratly courts,
etc., should not man the points for location, but leave them to be elected by the President."

## COMMODORE JONES.

Commodore Ap Catesby Jones of the American Navy, who agreed with Gen. Persifer Smith in regarding Benicia as the proper site for the commercial emporium of California, made no secret of his opinions and expressed them in letter to the Navy Department, but we have not been able to obtain possession of them,

and therefore we cannot quote his precise language. So confident was he that Benicia would soon be the chief city, that he invested a considerable amount of money there, (and as the result proved) most unprofitably. The capital was already fixed in San Francisco and no railroads had been built to make a revolutiou. the means of communication between San Francisco and the interior were to continue the same as they were twenty years ago, we should not predict much progress for Vallejo.

#### ADMIRAL FARRAGUT.

Admiral Farragui was stationed at Mare Island for years as Commandant of the Navy yard, and in that position he had an opportunity to study the resources of Vallejo, and to learn the opinions of intelligent engineers and navigators in regard to them. His opinion formed with these helps was that Vallejo was the best place in California for the purchase of real estate, and consequently he bought a large number of lots which were a source of much profit to him. At the time of his death he was one of the chief owners of land in the town and the lots still form a large part of the considerable estate left to his heirs. He was in the habit of expressing his opinions in regard to the future greatness of the town very frankly, but we have not learned that he ever committed them to paper.

# ADMIRAL CRAVEN.

Rear-Admiral Thomas T. Craven, U. S. N., who was Commandant of the Mare Island Navy Yard for a time, and now a resident of Vallejo, has expressed lus opinion thus:

Valley and Benicks by their grographical positions and great water front, are the only place which have one natural advantages of the transaction of a large commercial tonians. Sur Francisco and Oukland are budly located, and they owe their present state of prosperity to—we might justly say—blund inch. So well estatied and that Valleo is to become within a few years one of the first commercial towns of this State, that I have disposed of all the property I had elsewhere, and invested every cent I could gather within its limits.

#### CAPT. C. T. BALDWIN.

We give below an opinion from Capt. C. T. Baldwin, U. S. N., now Executive Officer of the Mare Island Navy Yard, and also a partner in a leading importing house of San Francisco, a genteman of high reputation in his naval and commercial professions. He was selected during the civil war to defeat the Alabama. and for that purpose was put in command of the Vanderbilt, the swiftest steamer sent out to pursue the rebel cruiser, which, however, avoided him. Capt. Baldwin writes thus:

There no hesitation in saying that in natural advantages I consider Vallejo as only second to San Francisco, and in some points it is even better situated. The harbor is perfectly asic and has sufficient depth of water for the largest size ships, while it has every facility for railread communication with the northern part of California, as also Dregon. The brackish water of the ryer on the obb tide, kills the kerodo—agreed advantage. The climate is excellent and now that an abundance of good water is introduced, I see no reason to donbt that manufactures of various kinds will be established.

In my opinion, within five years Vallejo will be, in population, the second city of California.

#### CAPT. S. R. FRANKLIN.

Capt. S. R. Franklin, U. S. N., stationed at the Mare Island Navy Yard as Chief of Ordnance, says:

I know of no place in California, a thirded, arrathers, the presence grader advantages the I know of no place in California, a thirded arrathers, the presence grader advantage to the great grain valleys; and all the products of the fertile valleys of Sonoma and Naja will cernitally indict this their way to the sea; now would it satisface made and Naja will to the terminus of the great trans-continental railroad. As there is a prospect of an amost favourble point for the establishment of mannfactories.

His is area thing to find a placet wenty-serven miles from the ocean with so fine a water front, and the product of the establishment of mannfactories.

As great deal might be said upon this subject, but the foregoing embodies my views and I think these of most persons who have at all given the matter reflection.

#### ADMIRAL ALDEN.

Entra Curoxicus: I expect to receive within a few weeks a written opinion from Rear-Admira Alden in regard to the advantages and prospects of Vailejo, and meantime I can say from bearing them frequently expressed, that they are highly favorable to the future greatness of opinions of Admirals Farragut and Craven as published in your paper.

J. P. JACKSON.

James Alden, before reaching his present rank was, for many years in charge of the U. S. Coast Survey on this coast, and he is the highest official in rank of all those who have been in that branch of the service. His opinion may therefore be regarded as the most authoritative that could come from the Coast Survey Department.

# CALVIN BROWN.

CIVIL ENGINEER'S OFFICE, NAVY YARD, MARE ISLAND, CAL., JUNE 29TH, 1871. The question of the manufacturing and commercial position of Vallejo which you propose

to me I would answer as follows: I may be excused for introducing here a hasty sketch of the origin and growth of the impressions which have been made upon me by my first acquaintance and consequent association with the locality of Vallejo. I came here in 1801, and soon after my artival took variou copportunities of visiting about in the portion of the State lying to the north of us, and was much struck with the large and ferti\* extent of the territory which, immediately connected with this point, appeared to have its only tide water outlet thereat. This fact suggested the question of means of communication by roads and ratiways with different points, and herein the topography make of communications by reads an trainway with different points, and herein the looperaging by bays, marshes or other impediments of a difficult and costip restruct, so that it seemed that almost any extension of communication night easily be had, not only be any part of our coast, but with the Rackern Sastes. The oversiant values was not then built, but it was then my firm to discuss the communication of the communication of the communication of the contraction of the communication of in these observations

As a shipping point them is no need on majorant in the state, for the excession intunstees.

As a shipping point them is no need on my alluding to Yallejo. Everybody knows its connection with one of the largest and most important accretitative regions of the cost, wherein the point of the control of the point of the control of the point of the cost of In the matter of a comparison between Vallejo and other improved localities in our State, I

and up makes on a comparison network variety and once improves localities in 60 States. In growth, and its marks progress according to the approximation of this fact by entireprise and capital. The most important point to be observed, however, in this connection is, that while other place require ingrayous clayed its on make the aboves available, the waters of Validio are required for the accommodation of ships of the heaviest draughts. State undertakings to make harbors and "see saids" will see the control of the property of the citizens of Validio.

Calvin Brown is one of the ablest and most experienced civil engineers in the service of the U. S. Naval Department. He has had charge of the construction of many extensive and expensive works in the Eastern States, and has been the coustling and superintending engineer of several important enterprises in California

#### C. F. REED.

Charles F. Reed, Republican nominee for Surveyor General of California in 1867, has not had time to write out his opinion for us, but he authorizes us to say that it is favorable to Vallejo, and that he accepts generally the views of Calvin Brown, as expressed above.

# SURVEYOR GENERAL J. F. HOUGHTON.

SACRAMENTO, JUNE 29TH, 1871.

A residence of upwards of twenty-one years in California, during six years of which time I occupied the position of Surveyor General of the State, has made me familiar with the entire State, and enables me to answer with some degree of correctness the interrogations contained

State, and enables me to answer with some degree of correctness the interrogations contained in your letter of yesterlay.

In your letter of yesterlay.

In your letter of yesterlay the property of the prope after about five years.

Her location upon the extreme point of a narrow peninsula forty miles in length, requiring a debut of about eighty miles around the Bay of San Prancisco to accomplish a direct distance of twenty towards the great Sacramento and San Jouquin valleys, is such that although three accommending lines of rail owned and operated by the Central Pacific Company for local trade

all their roads.

are connecting lines of rail owned and operated by the Central Pacific Company for local train.

The foreign review of the company for the contract of the Central Pacific Company for local train.

The foreign review of the company for the contract of the Central Pacific Company for the Central Separate is from the two great valleys and the overland route, requiring long and high grade-to summon in the fact eachy by the displicit place great the post of the Threatesto, no railroad route Central Company for the Central Central Company for the Central Cen also add that all that great grain producing portion of the State, lying north of the Golden Gate and west of the Sacranemo river, is shut out entirely by the intervening beys from direct rail communication with either of the cities before named.

rail communication with either of the cities before named.
Vallely by its location at the bead of San Pablo by has the shortest and most practicable-route to the interact, of any of the cities named, avoiding the citour and the meantain range, and the property of the cities named, avoiding the cities and the meantain range, and the property of the completely and locked, casy of access, with good anchorage, with capacity sufficient for the commerce of any city in the world, and cittiey for from the ravages of the Texact or other destructive.

Function under certainally lose some portion of its foreign commerce, (which scena since it accurately), know of no place, in when of the completely contracted in connecting the Sacramento, lineals live very contracting the contracting the factors of the contracting the range of the range of the Texact of the contracting the Sacramento, lineals live very contracting the Sacramento, lineals live very contracting the Sacramento, lineals and live very country morth of the day of Sac Prancisco, so likely to secure it as Vallejo the terrainins of

The waters of Clear Lake which may easily be brought to Vallejo, would not only supply the inhabitants of a great city with an abundance of purest water, but would furnish a large supply for manufacturing purposes, which neither San Francisco or Oakland can do without an enormous outlay, as a contemplated project of taking the water of Lake Tahoe to those cities a distance of about two hundred mile abundantly proves. In view of all these advantage, it seems certain that the rapid progress of the past two years

will be continuous, and that at no distant day Vallejo must occupy a much more prominent position in the commerce of the Pacific Coast, as a central shipping point for the produce and supplies of three-fourths of the interior population of the State of California. J. F. HOUGHTON. J. F. Honghton is a civil engineer of high standing in his profession, and

filled the position with credit to himself and the State.

# G. F. ALLARDT AND PROF. HOFFMAN.

In newer to your queries I reply that Yulleo Bay in fitted by its area, depth and convenience of access from the sex to accommodate an extensive marine commerce. The town by an excellent situation as a terminant for the railroads north of the latitude of Casquings, to be the main scaper of and outlet of all this part of the Sixus. Fresh water, fresh and timber can be main scapers of and outlet of all this part of the Sixus. Fresh water, fresh and timber can be combined with the natural escellence of the water frest, the shundance of level upland and the coor of doublet whatering will favor the establishment of extensive mannifectures. My opinion is that Vallejo will rank high at no distant time among the cities of the Pacific Coast of this continent. G. F. ALLARDT.

June 14, 1871. I concur substantially in Mr. Allardt's opinion as given above. CHARLES F. HOFFMAN.

Mr. Allardt is Chief Engineer of the State Tide Land Survey, and in that copacity has had occasion to devote much study to the Bay of San Francisco and it tributary waters. In official position and in professional reputation he ranks among the first civil engineers of the State.

Charles F. Hoffman, who concurs with Mr. Allardt, has been the chief topographer of the State Geological Survey since its organization, and in that capacity has devoted eight years of study to the topography of California; and upon that subject he is the highest authority. His maps are the best of the kind yet made in the New World. His reputation is not confined to our State, but is known also in the Atlantic, and he has lately been elected professor of topographical engineering in the scientific school connected with Harvard University.

# A. W. VON SCHMIDT, C. E.

A. W. Von Schmidt, who gained a national reputation by the originality and success of his plan for removing Blossom Rock, and who has devised and carried out many other important engineering enterprises, gives us the following:

Vallejo has many important natural advantages for the transaction of commercial business on account of the convenience of access both by land and sea; and when furnished with fresh water in great shoundance, as it certainly will be at no distant time, it will be an excellent point for manufactures. In my opinion the place is worthy the most favorable consideration of capitalist disposed to invest money on our coast. A. W. VON SCHMIDT, Civil Engineer.

ROBERT L. HARRIS, C. E.

Robert L. Harris, Chief Engineer of the Northwestern Construction Company, which is engaged in building the Northern Pacific Railroad, gives his pro-fessional opinion of the prospects of Vallejo, thus:

I consider Vallejo one of the best town locations in the State; and if the foresight, enterprise and public spirit heretofore manifested by its leading citizens continue to be exerted by those who have more recently become interested, it will occupy a very prominent place in the wealth and business of California.

# JOHN WALLACE, C. E.

John Wallace, Civil Engineer, and County Surveyor of San Joaquin county, gives his professional opinion thus:

For transacting a large shipping and railway business, Vallejo has natural advantages equal to Vallejo, and the Control of Calland to Vallejo, has better prespects of becoming an important seaport than Oakland; in fact I should not consider the position of Oakland as calculated to become any seaport at all. If the waters of Clear Lake could be brought to Vallejo, so as to create a constant and important water power, I should consider it a better site for manufactures than either Sam Francisco or Oakland.

I unhesitatingly answer in the affirmative the question whether Vallejo within a few years is to occupy a more prominent place in the wealth and business of California than at present.

# L. H. SHORTT, C. E.

VALLEJO, July 6, 1871.

I her to acknowledge the receipt of your note, in which you request my opinion to each of the following interrogations:

the follow of the control of the con than two miles in length, where docks and wharves can be built at comparatively small exposes, the hallowed company; whereas, the water front of Oakhand, outside the bar, is exposed and limited in extent, and can be made use of only after constructing long and very exposive piers, and inside after an extensive and sprisematic plan is carried out at an encorous expose, the in-cal position of Vallejo gives it a much more extended railroad connection than other San Fran-cico or Oakhand. It is the natural outlet for all of Northern California, and is on a direct line

of the Oregon traffic, and from it connection with the East may be had over one of the easiest and most direct rontes.

To the second, I say .—Vallejo, for substantially the same reasons as given in answer to the

question immediately preceding.

To the third:—Yes, decidedly; in fact, I think would be superior to either. The contour the ground is favorable for taking water at different elevations. The fact that water power The contour of cheaper than steam—the price of land less, the taxes at a lower figure, all the necessaries of life abundant and at reasonable rates the supply of raw material obtained with equal, if not greater facility, and the convenience with which the mannfactured articles could be put into marks, as great -ail go to sat-say me that Vailejo would compare most favorably with any city in the State.

great still got to satisfy me that Yalejo would compare most favorably with any city in the State. To the fourth, lasty =Emphasically, yes. She will shortly be in direct rainwas communication with all the neckem parts of the State, and will be the wheet market for all that part. The state of the State, and will be the wheet market for all that parts be found to the property of the state of the State, and will be supported by the for good crops. The wood and dary interfest is upon the increase and will become tributery, and upon the completion of the branches of the California Pacific Rainway, and will yearly become more developed. The manufacture of present in its initiancy, and will yearly become more developed. These all will contribute to the unises and processity of Valido.

Perictic occurs and the value of Mare Island as a paval station is yearly becoming better understood and appreciated at Washington. There can be no double that extensive improvements and additions will be made to the works within the next two or three years, which will give in Very Respectfully, Yours,

Very Respectfully, Yours, L. M. SHORTT, Civil Engineer,

# GENERAL B. S. ALEXANDER,

The same four questions mentioned above by L. M. Shortt were also submitted to General B. S. Alexander, the senior officer of the Engineer Corps of the U. S. Army stationed in California, and he has promised to write out an opinion for us so soon as his official duties leave him at leisure for a few days. Meantime he authorizes us to say that his answers on all the four questions are favorable to Vallejo.

# DR. JOHN M. BROWNE.

Dr. John M. Browne writes thus :

Vallejo enjoys a sambrious climate in a general sense, being removed from the pertect only by the force of winds, and sudden changes of temperature, which are provocative of the conby the force of winds, and sudden changes of temperature, which are prevocative of the con-traction of colis, and for estimize reasons unforvenite for consumptives. But when we consider the contraction of present its usual submission to treatment, the conclusion is evident that Vallejo is emphatically be hearby place. These visited and temperative readed in different parts of the world, where I in my practice now, and I can only writered on a frequent associated that, in general terms, I ex-gust Vallejo as one of the healthlust cities in the world.

The winds are higher and the changes of temperature more sudden in San Francisco than in Vallejo, so the defects of climate referred to are stronger in the former than in the latter place; but both have climates very favorable to general health and industry.

# CONCLUSION.

We have thus discussed the prospects of Vallejo as they appear in the Summer We have endeavored to show that San Francisco has reached the summit of her commorcial prosperity, and has commenced to decline. graphical situation renders her untit to be the terminus of the railway system of the coast, and by increasing the expenses of handling merchandise is driving and will continue to drive commerce to some other place more favorably situated. This repelling influence began to be felt in 1808, when the interior of the State was first connected with deep water by rail, an lit is rapidly increasing in power , as the railway system of the State extends,

That San Francisco cannot be a railway terminus, is implied not only by her topographical situation, but also by the conduct of her capitalists. They have done nothing for railroads. Towards 903 miles of finished and 2,000 miles of promised railroads in California, the public treasury has contributed \$41,000,000 and San Francisco probably not more than \$1,000,000. California has two great

inland transportation companies, neither of which has ever had one Director as a representative of San Francisco capital. Both companies are bosile to that one that is, hostile in a business way. They can make more money clewhere; and one is trying to build up Vallejo, while the other is helping Oakland. A metropolis which has no voice in the management of the railroads and steambouts connecting it with the interior, and which allows all the means of inland communication to fall into the control of ambitious and progressive rivals is in great dancer.

The first effect of milway influence is that wheat can be exported at an expones varying from \$1 to \$2 per ton less at Vallejo and Oakland than at San Fannisco. In the crop year of 1867–68, the last named city loaded all the curgoes of wheat exported from the State; in 1869–79, she loaded \$9 per cent. of them; in 1860–70, \$4 per cent, and in 1870–71, so far, only 56 per cent. Oakland, which took part of the business, did not get her whard done to accommodate ships until not year than this, because she has lately got control of the steamers and burges which carry the wheat from the boy and river ports to the ships. Both places are rapidly providing warehouses, docks and other facilities; and as \$1 per ton is too much to be thrown away, the probability is that within three years the leading of wheat for exportation will have left San Francisco. Other exports, the imports another general financial business of a large scaport most follow the wheat.

Other effects of the railroad influence are that the value of real estate in Sun Francisco is \$8,000,000 less than it was two years ago; the monthly sales of San Francisco real estate are 68 per cent. less; 3,000 houses, or nearly one-sixth of the substantial buildings are unoccupied; and the shipping arriving from American ports on the Atlantic decreased from 158,000 tons in 1869 to 83,000 in 1870. Even if 8 An Francisco could be the terminus of the milway system of the

Even if San Francisco could be the terminus of the railway system of the State, her water front is so poor, and so expensive that the trade would ultimately leave her. The distance from North Point to Third street is two miles, and most of the way the depth of water is only four feet on the water front line; and under the water there are fifty feet of mud, rendering it almost impossible to get a firm foundation for any heavy structure. West of North Point shipping cannot lie, because the winds and waves are too boisterous. South of Third street it is almost impossible to make valuable water front, because there are extensive coves or mud flats which would have to be filled in at an expense of many millions of dollars an expense which nobody now wishes to undertake.

These draw-backs, combined with costly grading (the upland site of the city being very uneven), dear water, the danger of earthquakes (more severe on the peninsula than on those parts of the mainland which have a rock foundation near the surface), costly insurance and the danger of fres (more than 75 per cent. of the houses are built of wood) make it certain that San Francisco will clease to be

the metropolis of California.

She will be succeeded by either Vallejo or Oakland; we think our town will be the successor. We have great advantages in the matter of harbor, railroad communication with the interior, and connection with the general railroad system of the continent, fitness of site and agricultural resources of the vicinity. accommodations for shipping at Oakland are two miles from shore, at the end of a wharf which, before the end of next year, will be eaten ss badly by the teredo as to be unsafe. The structure, therefore, is temporary, and the business done by The only permanent basis for foreign commerce would be the its help insecure. construction of a harbor with stone walls reaching out two miles from the mouth of San Antonio creek. Such a harbor would cost not less than \$5,000,000, and if well made, \$10,000,000, and would, besides, require years for its completion. The town has neither the money nor the confidence necessary for undertaking the work, and after completing such a harbor could not compete on equal terms with Vallejo, because much of the trade which it hopes to control might be intercepted at Stockton. The present inferiority of Oakland for railroad purposes is implied by the declared intention of the Central Pacific Company to build a "short road" from Sacramento to Oakland. A new road and a costly artificial harbor are necessary to Oakland, and even if the construction of these improvements should be undertaken it may at any time be arrested when the capitalists who supply the funds are convinced that they can make more profit by throwing their influence in favor of Vallejo. The latter has her natural harbor and her short roads already completed, and she occupies an impregnable position, fortified by enterprise and capital, so that she is certain to take a considerable portion of the foreign trade.

and will threaten if not overawe or overwhelm Oakland.

Fut independently of its advantages for foreign commerce and for nilread terminal business Vallej have abundant resources to be a large and prosperous town. Land, water, coal, pork, beef, flour, potatoes, lumber, firewood, stone, brick, wood, and all the raw materials of hone production are and can be get charge in production of the production of the production of the production of the important items, concurring with the natural advantages of site and position; as the outlet of the fullest part of the State will suffice to make Vallejo eight with

a few years.

Vallejo has an important advantage in its proximity to many of the most artifactive pleasure resorts and natural curiostics of the State. The Vallejo-Sulphur Springs only three miles from town, Napa Soda Springs near Napa, the White Sulphur Springs near St. Helena, the Calistong Hot Springs, the Sonoma Warm Springs, the Petrified Forrest near Calistong. Mt. St. Helena reaching un altitude of 4,341 Set, the Geysers, Clear Lake, Sigler's Springs, Harbin Spring, the Sulphur Bauk and the Borax Lake are visited by thousands every year and are reached by way of Vallejo. The possession of the only Navy Vard on the Pacific Coast, is a point of anoth importance to our young town. The Marf furnishes recommendations of Secretary Robeson and Admiral Porter are adopted, there will be employment for 4,000 or 5,000 men here, or cough to support a city of 20,000 inhabitants; and these recommendations must be adopted if we are to keep

a high place among the naval powers.

We have published the opinions of a number of leading engineers in different departments, all favorable to Vallejo. General B. S. Alexander is the highest Army Engineer in reputation and rank in the State, and the second in the Union. Von Schmidt is one of the boldest and most successful Givil Engineers in our State; Rear Admiral James Alden is the highest officer who has been connected with the United States Coast Survey of this coast; Calvin Brown is the highest Federal Hydrographic Engineer, and G. Allrault the highest State Hydrographic Engineer. The office of State Surveyor General is represented by C. F. Houghton, one of the most competent men who has ever rilled it. The opinions of navigators are represented by Admirals Farragut and Uraven and Captains Baldwin and Franklin, and those of Civil Engineers who devote themselves extensively to milroul business by Messers, Shortf and Harff.—Our list includes so many authorities that Prancisco or Ookland can be obtained from engineers of reputation in California. It must not be forgoticn that no company owning an extensive railway system should fix a termina without the advice of able Engineers.

Taking all the facts in consideration, we regard the prosperts of Vallejo as very brilliant, and we confidently expect that within a few years she will be generally recognized as the successor of San Francisco, and the future metropolis

of California.

#### POSTCRIPT.

Since the printing of this pamphlet was commenced the authorative amounts—much as been made that the Central Pacific Railroad Company has purchased the railroads and steamhouts of the California Pacific Railroad Company. We have the fullest confidence that this purchase will result in benefit to Vallejo, and that our town will soon be the main terminus of the railroad system of the State. This can be constructed in the construction of a road from Vallejo to Oakland has been bandoned, and the construction of a road from Vallejo to Oakland is highly improbable, since it would cost \$1.50,000,00, save no time, contribute nothing to the convenience of the travelers, would require much time and offer no profit in any respect. The Valjej ornate is already for use, with a good harbor, a finished road and facilities for profit in land such as can be found at no other place. We look forward with confidence to the final and magnificient triumph of Vallejo at no distant day.

# VALLEJO IN NOVEMBER 1871.

#### TO THE PROSPECTS OF VALLEJO. SEOUEL

THE CENTRAL PACIFIC AND VALLEJO.

About August 1st, a controlling interest in the stock of the California Pacific Railroad Company, was purchased by Leland Stanford, and his associates who are known as the Central Pacific Railroad Company, and who now own the railroad system in the State, and nearly all the steamboats plying in San Francisco Bay and its tributary waters. By their cars and boats they transport 90 and perhaps 95 per cent. of all the trade between San Francisco and the interior. They have possession of all the best routes leading to the chief towns of the State, and there is liftle chance for any successful opposition to them. They can therefore exercise an immense influence on the inland trade, and upon the growth of the points which they may select for the transaction of the terminal business of their railroad system. Under these circumstances the relations between the Central Pacific railroad and our town are of great importance to us. We think we can safely assert that the Company will do much to build up Valleio. We expect no unfair discrimination against Oakland or San Francisco, nor does our prosperity require it. All that we ask is a correct estimate of our advantages, and such preference as those advantages demand. Mr. Stanford and his associates are men of much experience in business operations and they will be governed by no petty local influence. They know that the trade must go to the cheapest place, and they wish to assist in taking advantages are with the Vallejo route, and it there. This course they regard as their there is no sufficient motive for a change. personal interest and as important to The distance from Sacramento to Oakland the welfare of the whole State and to their might be reduced by an air line road, but it permanent reputations. Every dollar would be very expensive and would not in-

saved on landing a ton of imported merchandise and shipping a ton of imported produce benefits the producers, stimulates production and helps to populate and enrich the State.

SUPERIOR CHEAPNESS OF OUR ROUTE.

The Central Railroad Company, will assist us just so far as we assist them-that is so far as they can carry passengers and freight between the Golden Gate and the Sacramento Valley by this route at less expense than by any other. So long as our route is the cheapest, they will prefer it: and no longer. Their recognition of the superior cheapness of our route has been shown by the fact that they now carry their through passengers this way. We understand that they also expect to bring their freight this way within a very few months. Their action is not taken hastily, and we have no reason to suppose that the present method of travel between San Francisco and Sacramento will be abandoned so long as steamboats and steam cars are the vehicles of communication. They come this way because it is cheaper to them and to the people of the State.

The reasons of the superior cheapness of this route are readily found. The distance between Sacramento and San Francisco is 83 miles by the Vallejo route and 138 by the Stockton and Oakland route ; the latter is more expensive relatively than the former. The trip by Vallejo can be made in four hours, while the Stockton route takes six . So long as these facts are unchanged the crease the receipts of the Company. They miles of it; and therefore it may be said have no opposition and no fear of any, nor that at every ruilroad is a source of profit to could they possibly save more than half an the community, though the individual stock-hour in time: and that would not justify holders may lose. One of the first principal expenditure that could not in any case pless of railroad building in Galifornia is, we less than half a million dollars. When that the stock-holders should secure to a competing road beats the Vallejo time, themselves a part of the profit which are then they will be compelled to make a crues to the community from the increase shorter road; nor do we believe that they given by the road to real estate. A considerable share of this profit is in town lots some

# SAVING TO PRODUCERS.

The Company will not overlook the fact that while it is cheaper for them to bring their cars to deep water here than to any other point, it is also cheaper for the producers. The Sacramento farmer who wants to send his grain to a ship, saves the freight on fifty miles of transportation by sending it to Vallejo, and to get the same price as he would at San Francisco, and he gets it sooner. The nearer we bring the shipping point to the farming districts the more we benefit the agricultural interest. The expense of taking a ship from San Francisco to Vallejo, is a small matter compared with the expense of sending every farmer with his separate lot of grain from Vallejo to San Francisco, Although the farming community as a whole must ultimately pay the freight on their wheat from their fields to Liverpool, yet it is their interest to advance as little freight money in cash as possible, and the farther inland the shipping point and chief market is taken, the better for them. San Francisco is objectionable becanse more farther from the grain Vallevs and also because the wharfage and port charges are outrageously high-the highest in the world, as well as the inland freight in advance. Valleio intends to have free wharves.

#### PROFIT ON LAND,

The Railroad will probably be influenced somewhat by the consideration that other things being equal, they must prefer the point where they can make the most profit on land. It is a settled fact that a railroad well located adds much more than its cost to the value of the land within ten or twenty

siderable share of this profit is in town lots which can for many reasons be obtained and managed more conveniently than farming land. Two thousand acres of the most valuable land in San Francisco are worth \$50,000 per acre on an average, or \$100,-000,000 in all. On several blocks in that city-such for instance as California between Montgomery and Sausome, the price is \$2,000 per front foot, or \$860,000 for an acre 430 feet long, fronting on the street, and 100 feet deep In that calculation no allowance is made for streets, and the average frontage of the town lots, in an acre is about 250 feet. A common price for lots in good residence streets is \$200 per front foot or \$50,000 per acre, while in poor streets it is \$100; so we think the average as given above is not exaggerated. The prices are so high there that the Central Pacific Railroad Company could not get any thing there and nothing to the values in the city on a whole, but by making their terminus at South San Francisco, they might add to the values there but injuring those north of Mission Bay. This terminus however could not be completed until after long delay and much expense, whereas the Company wish to gather their profits immediately, with as little expense as possible and without exciting any such animosities as would be in volved by making their terminns at South San Francisco. Two thousand acres of the most valuable land in Oakland, are worth \$3,000 an acre; and the company could add much to the value there, but not until after spending years and millions in constructing a harbor, and even then Oakland would have no superiority over Vallejo and would for that reason always have a feeling of insecurity. In Vallejo, the best two

thousand acres are worth \$1,000 per acre. and to all this and much more in the vicinity a ten fold increase can be given within a year, if the Railroad Company will indicate in some numistakable way that they regard the town as the chief terminus of the California railway system, and the spot where the chief landed interests of the Company are situated. At \$1,000 per acre, two thousand acres are worth \$2,000,000; a ten-fold increase on that would be \$20,000,000; and even at that figure the value would be only one-tenth of that in San Francisco. increase would not be immediate at Vallejo, but it would require no previous expendiure and would be a permanent gain; for if the business were once fixed there, it would never leave. Its establishment there on account of unquestionably superior natural advantages and with the advice of leading engineers, would give no offence in San Francisco and would be warmly approved by the people of the State, who would see in it a reduction in the expenses of exportation and importation.

# VALLEJO'S POSITION IN 1868.

Within the last two or three months, that is-since the purchase of the California Pacific Railroad—San Francisco has learned that she is in dauger, and as a remedy many persons are making a great outery for a bridge across the bay to bring the cars in. It took her a very long time to learn the danger. The fact was known four years ago in Vallejo and was then discussed publicly. The pamphlet entitled The Forcus or Vallejo, published in the spring of 1868, before any iron had gone down on the California Pacific or Western Pacific road, said:

If San Francisco has money enough to make all the railroads of the State terminate at her water front, she will retain her commercial monopoly and not otherwise.

California is on the threshold of a great

California is on the threshold of a great The city of change—the establishment of a system of not a railroad railroads and the overthrow of the ferryboat or river steamboat communication with the interior. Nearly a century elapsed the childish be after the discovery of De Gama, before the been blown I Venice of the Mediterranean could underthem of the countries of the countries of the childish of the countries of the countr

stand that her fate was scaled; five years will leave no doubt about the fate of the Venice of the Pacific. What the opening of the sea route to India wasto the former, that will be the establishment of a milroad system in California to the latter. So long as there are no rmilroads, so long San Francisco is all right; so soon as they are built, the business of the State must centre near the Straits of Carquinez.

Although our arguments were scoffed at in San Francisco, they found credence among intelligent men elsewhere. The Sacramento Union in an editorial December 7th, 1868, said:

We know just as well that there is as yet no town on the Straits or on the Coast that can rival San Francisco in wealth as we know that San Francisco in point of natural advantages can in no way claim equality with Vallejo or Benicia as a railway centre, which shall accommodate the State and all east and north of it. We only point out certain natural superiorities of geographical location in favor of the Straits over San Francisco, and advise future builders to do just what the builders of 1849-52 would have done had they believed they were putting up a permanent place, and had the lights which now control men in building up great commercial cities. \* \* \* The natural disadvantacities. ges of the latter place (San Francisco) with reference to railways, can never be overcome. No system, no cost can make the point of the peninsula equal in this respect with the Straits of Carquinez.

#### SCOFFS OF SAN FRANCISCO IN 1868.

These sound opinions were received with blindness and jeers in San Francisco. Business men there said it was folly to speak of a loss of the trade of their city. Some of them thought the termins of the Pacific Railroad would be at Goat Island and desired that it should be. Those who wish to read a record of scoffs at Vallejo and her claim, can hunt the files of the Bulletin in December 1868, and see the editorial articles from which the following extracts are taken:

The city of the future is here. There is not a railroad or thriving town in the State that does not, and will not contribute to the prosperity of San Francisco long after the childish bubbles of the Union have all been blown np and forgotten—Bulletin, Dec. 14, 1868.

The terminus of the Central Pacific will either be just where the Company have designated it in their application to Congress, or as near that point as possible.— Bullctin, Dec. 24, 1868.

Did it ever occur to the writer (in the Sacramento Union) who airs his fancy in this way that this city is the entrepot for the commerce of the Pacific coast, and that having attained this position by its natural advantages, and by the concentration of capital, it is as idle to attempt to change it as it is to attempt to whistle down the wind? The commerce, which under any circumstances could be made to centre on the Straits of Carquinez, would be but a bagatelle compared with the foreign and coastwise commerce already built up here .- Bulletin, Dec. 28, 1868.

Many other San Francisco papers theu spoke in the same mauner. The claims of Vallejo and the predictions of her friends are justified by the events of the last three years, and the jndgment of the enemies of our town is quite as unsound now as it was

three years ago.

The question of a bridge across the bay was also discussed here in 1868. The merchants, capitalists and newspapers of San Francisco declared the Vallejo people were wild; they were sure that the metropolis was not in the least danger. Cities, they said, exercise compulsory power over railroads, and must always strengthen and not weaken those places which were the chief centres of trade before the construction of the roads.

A BRIDGE OR RUIN FOR SAN FRANCISCO.

Their error is now undeniable, The great and uninterrupted prosperity which filled the city from 1858 till May, 1869, ceased immediately upon the completion of the transcontinental milroad. For three years and a half her trade and the general confidence in her future have been diminishing steadily. The question arises whether the decline can be arrested. The Bulletin and the Call think it can by erecting a bridge five miles long to connect San Francisco with the Alameda shore; and for the last month their editorial columns have

Goat Island is practically San Francisco. be done, but considers the bridge impracticable. The following are extracts from editorials on the subject ;

We have seen the anamoly of an extraordinary centralization of capital and a decentralization of commerce going on at the same time. " " What can be do no to arrest the decentralizing tendency of commerce at this port? \* \* San Francisco must be made a railroad centre. Ships and railroads must come together along our own water front. " " " Without a bridge and a convergence of railroads in this city the decentralization of commerce will go on .-- Bulletin, Oct 5

To grasp and hold the business that properly belongs to this city, it is necessary that the best facilities for the transacting that business should be provided, most important of these is to supply the missing link to secure the entrance into the city of all roads in operation or that shall be constructed.—Bulletin, Oct. 25th

Public sentiment in San Francisco de-mands an increase of commercial facilities.

Bulletin, Oct. 9th.

The necessity for some such medium of communication between San Francisco and Alameda shores of the Bay other than by vessel has long been felt and discussed by your citizens, but never with so much earnestness nor so much firm belief in its practibility as at the present time.—Call, Oct.6.

There is only one mode by which San Francisco can prevent it, [the establishment of the chief railroad terminus of the State at Vallejo] and that is bridging the bay-and even that may not be sufficient.—Sac-

ramento Bee, Oct. 25.

San Francisco needs better accommodation for trade than she has now. Although she monopolizes the imports and controls all the exports she is not cheaply accessible from either land or sea. Previous to 1869. circumstances gave her such advantages over every other port in the vicinity that no one thought of going elsewhere on the waters of our bay to load or discharge large vessels. No exertion was then needed to bring business to our wharves; it came by an irresistible gravitation. But the changes in the system of land transportation have altered the relations between San Francisco and the interior and have made it necessary that she should exert herself, and even use the greatest efforts to retain her position and the confidence of business men at home and abroad. The possession of all the chief financial institutions and leading swarmed with articles in advocacy of the wealth of the coast does not in itself give business houses, and of two-thirds of the project. The Alta thinks something should security for the future. Trade seeks the

heapest channel as water runs down hill, and if the concentration of capital at a certain city is not accompanied by superior facilities and cheaper accommodations than can be furnished by commercial rival towns then the trade will not follow the capital.— Alta, Oct. 26.

The lessons of the past three years have taught us that if we would maintain our commercial supremacy, we must make our city the central point of the Pacific railway system.—Golden Era, October.

Its erection would—and without the slightest fear of truthful contradiction, we make the assertion that nothing else will put a stop to the cackling of Orkhand and Vallejo, and give stability to real estate value here.—San Francisco Real Estate Circular, November.

The following are extracts from commu-

nications in the Bulletin :

The question is simply whether this city is to remain isolated on its seaport, dying out from heart to extremities or whether it will wake up with the energy of old and give it a future second to no metropolis in the world.—Bulletin, Oct. 6.

But when they [the opponents of the bridge] reflect, they become convinced that by bridging the bay we effect an insurance upon the future of our city, nay, that it is absolutely essential to the life of this metropolis.—Bulletin, (ct. 27.

The city of San Francisco, owing its origin and growth to commerce, seems to have been indifferent to the fact that when the railroad introduces or intrudes itself upon a maratime city, it imposes as a condition of success, that the car and the ship shall come together. While other commercial cities have made, and continue to make great exertions to effect just this result. San Francisco has quietly waited for the cars to bring themselves to her ships, until she finds the railroad transportation of the State, from the south, the east and the north, fast concentrating on the eastern shore of the bay, and her ships passing themselves over to the cars. The fate of Venice awaits her if they are not brought back; and they can be brought back only by stretching the rails across the bay, and laying their ends upon our wharves. It seems now to be the general impression that this must be done, if we would recover the trade that has escaped from us, retain what we have, and especially secure that of the future, upon which hopes so high have been built. -Bulletin, Oct. 26.

These extracts admit, directly or indirectly, that San Francisco cannot maintain her present commercial position unless she be-

comes the terminus of the railway system of the State, and that she cannot become the terminus without a bridge. If the present bridge excitement does not imply such admissions it does not mean anything. If it does imply them, it implies further that the business men of that city have been blind for the last four years, and that their eyes have not been opened until too late. They should have seen this danger before the last spike was driven at Promontory point; and before the decentralization of commerce commenced. The business already lost can never be recovered, and much more must be lost before a bridge could be completed if its construction with abundant means were to be commenced immediately. Two years would be a moderate allowance of time for the construction of a bridge across a bay five miles wide, with a depth of sixty feet in a channel a mile wide, swept by strong tides and exposed to high winds. In those two years we expect a great accumulation of capital, enterprise and population in Vallejo.

But the bridge will not be built. No defninte plan for its construction has been proposed because none that would find favorcan be devised. The Central Pacific Railroad Company do not wish to have anything to do with its construction, or at least will not ask for a subsidy; nor build without it. Neither the State nor the city will build it as public property. Both political parties have pledged themselves against railroad subsidies, and therefore no Government aid can be given to any company to build it. No capitalist has offered to organize a bridge company to do the work with money raised by subscription.

The purpose of the bridge project is to make San Francisco the exclusive terminaof the through traffic of the Central Paciic Railroad Company; but if the bridgewere completed to-day the Company would not, in our opinion, accept it as a present if offered with a condition that they would promise to make it their exclusive terminus for ten years.

Besides, Congress which has authority to

the construction of the proposed bridge on way system of the State at our harbor. the ground that it would inflict a serious the bay.

upon the concurrence of a number of con- could not compete on equal terms with Valtingencies not one of which is secured, in- lejo; but having neither the short road nor cluding a short line from Oakland to Sacra- the harbor, she has no chance whatever. mento, the exclusive favor of the Railroad The present long wharf will not last many Company, and the consent of Congress. years, and the outer portion of it when it To secure either would be difficult and to once gives way will never be replaced. secure all is in our opinion impossible. low, that San Francisco will no longer be to superiority, they do not think of it. the only noteworthy seaport of California, that it will soon have a formidable rival for the metropolitan position, and that it will Commissioners were fixed by the advice of lose more and more every year until it shall the Chamber of Commerce of San Francissupport of the Central Pacific Railway Com- thus :

regulate commerce, and has the control of pany-which exclusive support is now withthe navigable bays of the country, would drawn. Oakland is not sure of anything not consent to the obstruction of the south- save a little local business. The through ern half of San Francisco bay, with the freight will probably go to Vallejo, and the probability that the flow of the tide would San Joaquin Valley freight may have its be checked, the deposition of mud facil- port at the Straits of Carquinez, when the itated, the influx and efflux of water at the Banta's, Martinez and Oakland road is com-Golden Gate lessened, and the depth of pleted. This road will give short routes the channel at the bar reduced. The Su- from a point opposite Vallejo to the San perintendent of the U. S. Coast Survey Joaquin Valley and the Southern coast and will protest, if occasion requires, against will complete the concentration of the rail-

There has been some talk about a bridge and irreparable injury to the entrance to across the Straits of Carquinez, but we do the bay, which should be protected in the not expect to see such a structure. A low interests not of California alone, but of the bridge would obstruct navigation and be Union and the whole world. The Superin- subject to the daugers of a draw, and a tendent, Prof. Pierce, was here last year high bridge would require steep grades on and expressed his opinion very emphatical- each side and be very expensive, besides it ly against permitting a bridge from Oak- would yield no profit to the Company and land to Goat Island, and for much stronger be of little convenience to the general pubreasons he would object to a bridge across lic. If the cars must reach Oakland from Sacramento by way of Stockton, then Oak-The bridge project depends for success land even if she had a deep secure harbor

The grand fact remains that the height of The logical deductions from these facts and ambition, of San Francisco and Oakland at premises are, that the bridge will not be present is bring the cars from Sacramento built, that San Francisco will not be the by short routes to their wharves-that is to railway centre of the State, that the decen- place themselves on an equality as regards tralization of commerce will continue, that railroad facilities with Vallejo, and it is althe decentralization of capital will soon fol- most certain that they cannot succeed. As

PROTEST AGAINST HIGH PORT CHARGES.

The present dues levied by the Harbor no longer be the chief city of the State. co, and the port charges taken as a whole The only rivals of San Francisco are Vallejo have not been changed materially since 1864 and Oakland, and in a contest between the and though less than they were before that last two, the former will carry every point. date are still exorbitant. The San Fran-Oakland has no harbor, has made no ar- cisco Chamber of Commerce held a meeting rangements to provide one, and has had no on the 19th day of October. Mr. Friedresource worthy of note save the exclusive lander, in an address to the Chamber, spoke Let us see what our port charges are:

A foreign vessel of 1,200 tons register entering our port is subject to the following fees : Tonage dues, 30c. per ton... Entrance Surveyor's fees... \$360.00 5 50 Commissioner of Immigration.... Inward Pilotage..... 150 00 Outward Pilotage 150 00 Wharfage 15 days \$27 per day for discharging cargo... Wharfage Loading 15 days, \$13 50 per day Warden's Survey... 405 00 202 50 75 00

\$1,349.00 (This does not include stevedores' charges, to which vessels are subject in every port).

These charges are so excessive that ship owners are reluctant in sending their vessels to onr port. Only ships carrying cargoes destined for this city come to us, but very few of the many which go to other ports in search of cargoes ever come to us seeking freights.

Fifteen dollars per ton is remuncrative, and ship-owners will not dread sending their vessels to San Francisco seeking, if we abolish all port charges. This is our true policy; and instead of paying \$20 per ton for freight, \$15, and even \$12 50, will be accepted, and with such a crop as we have a right in ordinary reason to anticipate, there will be a saving to the producer of from three to four and one-half millions of dollars annually.

Our Harbor Commissioners spend annually about \$138,000, but should we abolish the charges for wharfage, it will hardly re-quire more than one-half that sum to keep our wharves in good condition. Then this amount, or whatever snm may be required will have to be made by special State tax.

I have stated that the producers alone would save about four millions dollars annually. but it is not the producer of grain alone that is benefited. The freights will be lower on most imports into our State, and thus all consumers become interested in the questions.

On the 22nd of November, the Committee to whom the subject was referred, made a report. They found that the Harbor Commissioners now collect \$230,000 as wharf dues in a year, and they propose to reduce the amount to \$180,000. The dredging costs \$100,000; the repairs and cleaning of the wharves \$61,000, and the salaries of wharfingers, \$21,000; the rent and salaries of engineer, counsel and commissioners, Chamber of Commerce, says :

The importance of the latter measure is so manifest that it would be a mere waste of words to enlarge npon it; but as under the present law it can only be built out of the snrplus revenue of the wharves, and as it is evident that under even the present tariff of charges no such surplus can be depended on, it is manifest that the chances of its early completion are extremely slight. The city of San Francisco

will have to do the work itself, and after looking at the matter in all its lights, your Committee are unanimously of the opinion that a bill such as that passed by the last Legislature (but which failed to become a law), by which the city was anthorized to issue bonds for a million of dollars, or for whatever amount would be required for the completion of the wall, ont of the proceeds of which the wall was to be completed, should be urged upon the consideration of the next Legislature.

This means that the shipping at San Francisco must pay \$180,000 annually for dredging and repairs, and that a tax of \$100,000 or perhaps \$200,000 per year must be levied directly on the assessable property of the city, and indirectly on the business of the city to pay for the bulkhead.

The San Francisco Bulletin says:

It has always been understood that the cost was to be met by an issue of city bonds. Two years ago Gov. Haight pocketed a bill which authorized the issne of bonds to complete the sea wall, so that an immediate reduction of port charges would be practicable. This measure, had it become a law, would have lessened the cost to interior consnmers, for all the charges on the bonds would have been met in a long term of years from tolls so light that they would not have been felt as a tax by any bnt shippers themselves.

City bonds must be paid by the producers of the district which supports the city ; so the Bulletin's plan means the levy of an indirect tax on the State to pay for the improvement of the water front of San Francisco. It says the interest on the bonds would be paid by tolls that would not be felt by anybody but the shippers-by which terms the city purchasers of produce for exportation are only meant, but even then \$25,000. It is evident that there will not they would not pay ont a considerable sum be much to spare for the seawall of which without making the farmers feel the burthe Committees' report, adopted by the den. So long as San Francisco had the monopoly of the foreign commerce of the State

the wharfage and dockage should yield enough to pay for a smooth and imperishable seawall along the water front, at 'a cost of about \$2,000,000 per mile; but Vallejo has scared her out of the notion, and what she will want next, time only can discover, CAUSE OF PROTEST AT THIS TIME.

The high port charges have helped to enrich San Francisco. They all went into the pockets of San Francisco people; they were all paid by the producers of the State who were thus impoverished to enrich the metropolis. So long as San Francisco had the monopoly of the import and export trade of the State, the Chamber of Commerce remained silent, but when the Central Pacific Railroad Company bought out the California Pacific, and thus obtained the means to make Vallejo the main terminus of the railroad system of the State, the Chamber of Commerce immediately discovered that the charges were too high. The discovery comes too late. The evil has prevailed too long. If any reform is needed now, it was needed quite as much four years ago when we called attention to the exorbitant charges and predicted that they would enable us to nnderbid the peninsular city and take trade away from her. The proposed change will not secure any important reduction in the expenses of importation : and the present excitement about the harbor dnes like that about the bridge will not reduce the cost of transacting business at San Francisco and is interesting to us mainly as a confession of weakness and fear of the competition of Vallejo.

RAILROAD WORK LAID OUT.

The Central Pacific Railroad Company, have made improvements at our water front at an expense of perhaps \$100,000 to prepare for bringing the overland business this way, and have had ordered new charts of the harbor as if they contemplated other improvements. They will probably lay a donble track between this city and Sacra- to make large profits by various transactmento and put the ronte in the best condi- ions and stands high in their confidence. tion so as to accommodate the large traffic. It is safe to say that he controls more monthat must come over it. They have com- ey than any other man in the State.

so long she adhered to the opinion that menced to extend the road from Healdsburg to Cloverdale, a distance of fifteen miles. and the cars will reach the latter place before May next. They have commenced to build a road from near Petaluma to Bloomfield, in the Bodega region, and they will certainly next year build a connecting road from Suscol or vicinity to the Petaluma and Rassian Valley road. This connection will bring the best part of the trade of the northern coast to Vallejo. A branch will also extend from Woodland northward to Colusa, and the Oregon and California road continne its course to the boundary of the State. With the completion of that enterprise all the main valleys accessible on level routes from the Golden Gate on the northern part of the State will be supplied with railroads within convenient reach.

VALLEJO LAND IMPROVEMENT COMPANY.

A company styled the Vallejo Land and Improvement Company, has been incorporated with a capital stock of \$4,000,000 and John B. Frisbie, Leland Stanford, Milton S. Latham, F. D. Atherton, Alexander deLaski and E. H. Green, as Trustees. Gen. Frisbie owns more land in and about Vallejo than any other individual, and may be considered one of the wealthiest men and chief land owners of California. He purchased the Suscol rancho, including the site of our town, from his father-in-law, Gen. Vallejo, more than twenty years ago, and has struggled to build up a metropolis here ever since he has become the owner. He posseses eminent business capacity and will be the manager of the affairs of the Association. Leland Stanford, as the President of the Central Pacific Railroad, is one of the distinguished men of the age, and a most valuable friend of our town. Milton S. Latham, is the manager of the London and San Francisco Bank, an institution which has a capital of \$5,000,000. He is besides the adviser of several prominent European capitalists, and has enabled them the coolness and soundness of his judgment and his good opinion of Vallejo is an assurance of success. Messrs deLaski and Green, are Loudon capitalists of very great wealth.

We are now assured that this Company mean business. They own a large amount of land at Vallejo, and will seek to give it high value. They will not expend less than \$1,000,000 cash and perhaps the full amount of their capital stock in making improvements, including wharves, warehouses, factories and dwellings. They will probably make arrangements for the establishment of extensive wine cellars, and metalluroical works for refining argentifierous lead, of which large quantities are now brought from Nevada and Southern California, and for the reduction of ores generally. The advantage of our town for such industrial es-

tablishments are evident and manifold. GROWTH OF VALLEJO.

In 1860, Vallejo cast 464 votes, and was the twenty-third town in the State; in 1864 it cast 558 and was the eighteenth; in 1867 it cast 682; in 1869 it cast 1,108 and had become the seventh town; and in 1871, it cast 2,088 votes and was surpassed only by Sacramento, which cast 4,297, and by San-Francisco which east 25,112. It now has the third place in the State, and is just now going ahead with great rapidity, and the general opinion among our citizens is, that the growth of 1872 will exceed that of any two years in the past. We expect that our town will soon claim the second place in the State.

SAN FRANCISCO IN WANT OF A POLICY. The San Francisco Bulletin, of November 28th, said in its leading article :

San Francisco has reached her present stage of growth without any particular policy of developement. We are now confronted with the question - What well defined policy for the future is to take the place of the temporizing, hap-hazard policy of the past. Vallejo has a defined policy; and the same is true, in a qualified sense, of Oakland. But who will initiate a policy for San Francisco? Where else can we look

Atherton, is a capitalist, distinguished for bridge across the Bay is desirable, or undesirable, the people want to know the fact from the best possible source. What relations, if any, will this city sustain in the future with the Central Pacific Railroad Company. Here are three hundred millions of property. Shall a powerful railroad corporation become secretly or openly hos-tile to these interests, and so enter upon plans of subversion, depletion and decentralization? Or through the offices of a Board of Public Works to speak with authority in behalf of municipality, shall these interests be made to harmonize, so that they shall mutually aid each other. Is the commerce of this city to be strangled out of existence or shall we have nominally a free port, even if Harbor Commissioners are abolished?

This it will be observed is a confession of weakness. It implies either that the business men of San Francisco are grossly incompetent or that the site of the city is so disadventageous that they cannot protect it against the rivalry of Vallejo. This is a late day to be perplexed about a policy when the city is already beleasured OPINION OF ADMIRAL ALDEN.

The following are two professional opinions addressed by James Alden, Rear Admiral, U.S. N., to two different gentlemen interested in Vallejo. Admiral Alden, was for eight or nine years in charge of the U. S. Coast Survey in California and is in rank and in reputation to any person who has been in charge, and therefore he is the highest authority in that branch of the service upon the fitness of the harbor of Vallejo for

large seaport business:

BUBEAU OF NAVIGATION, NAVY DEPARTMENT WASHINGTON, Aug. 5, 1871.

Dear Sir :- In answer to your question asking my opinion of the situation of Vallejo, in regard to its prospects, and advan-tages of communication with the sea and interior of the State, &c., I would say, I happened to be present when the strife was going on between Benicia and the sand-hills of Yerba Buena, for the location of the city which was destined to be the Metropolis of the Western Slope of this great continent : and it was with the deepest regret that I observed the present site of San Francisco adopted. Its proximity to the ocean, is the only thing in its favor. But the question might be asked if every other advanbut to a Board of Public Works? If a tage was to be given up for that, why did they not then build the city of New York on Sandy Hook? Besides, San Francisco, for all practical uses, might as well be on an island. The only way to reach the interior except to the south, is first to cross a wide sheet of water where bridges are impossible.

Vallejo is much more favorably situated than San Francisco for such communication and its distance from the ocean, some 25 miles, would hardly be considered, especially by ocean steamers. It is therefore well adapted for the transaction of a large shipping and railway business, and will in my opinion, become an important city. No other place in California has so many natural topographic and hydrographic advantages, and the course and situation of the best routes for communication between the interior and foreign countries by sailing vessels and ocean steamers, and between the different parts of the State by rail and river steamers, when considered together, point to Vallejo as the place best fitted for the future metropolis of California.

Respectfully Yours.

JAMES ALDEN,

Description of the Control of t

Rear Admiral, U. S. N. J. P. Jackson, Esq.

The following from the same officer was addressed to another gentleman interested in Vallejo:

BUREAU OF NAVIGATION,
NAVY DEPARTMENT,
WASHINGTON, AUG. 9, 1871.
To your request for my opinion on the

relative advantages and prospects of San Francisco, Vallejo and Oakland, I beg to make the following answer:

I regard the hydrographic facilities of Vallejo as at least equal, and its topographic advantages is as incomparably superior to those of San Francisco. Its leostion is such as to make it the natural entrepot of the interior of the State, and of the whole country to the state of the state, and the whole country bay is in every respect eligible for the prosecution of the most extensive foreign commerce. The only natural advantage which San Francisco can be said to have, is its shorter path to the sea; but the difference in this particular between the two places is not happened to the properties of th

I regard both Vallejo and Oakland as much more favorably situated than is San Francisco for commercial or other interests; the water of Clear Lake brought to the former place, other things being the same, I think Vallejo will naturally become the greater place of business. Moreover, in

view of the present milroad system of California, and of the relative maritime situation of the two places. I am inclined to think that Vallejo has the better prospect to the property of the property of the concept of the property of the control of the property of the control of the property of the property of the conviction that Vallejo is not only far better fitted, but is destined to become one of the largest towns stuated on those inhand waters. You're Respect that Sources.

Rear Admiral.

The following opinion of an eminent engineer, is worthy of consideration:

OPINION OF B. S. ALEXANDER, LIEUT, COL. OF ENGINEERS, AND BREVET BRIG. GEN. U. S. A. SAN FRANCISCO, CAL.

July 1st, 1871. Grs. J. B. Frisbie, Vallejo, Cal.

Dear Sir - I have dnly considered vonr inquiries as to the future prospects of Vallejo; the probabilities of its becoming a great railway terminus, and an important commercial omporinm. A knowledge of the western coast of the United States, coupled with an acquaintance with the cababilities and advantages of the productive valleys and extensive inland waters of California will enab'e any one to forese without the gift of prescience that the chief commercial cities of this coast will eventually be situated at some point on these inland waters. But, when we look at a map of these inland bays, or traverse their extent, and reflect that they present one hundred and fifty 150) miles of shore line, it would seem presumptuous at first sight, for any one to nudertake to foretell at what position on this long shore line, the great commercial metropolis of the Pacific Slope will be finally located. When however we examine the map carefully, we soon perceive that the greater portion of the shores of these inland waters are fringed with a border of swamp and overflowed land, or cut off from deep water by extensive mnd flats, thus greatly restricting the area that is snitable for active commercial pursuits. We notice too, that where the bold waters approach the shores, the latter are generally of a rugged and precipitons nature, forbidding the idea, with the limited means available in a new country, of either filling np or excavating a site for a great city in our day or generation.

A still closer examination reveals the face that there are only a few points that possess has no harbor for sea going vessels. She only has a long wharf extending from her shores, some two miles out into the Bay. Until she the transportation of slow freight. constructs a harbor, no combination of capitalists can secure her success as a commercial emporium.

When California almost sprang into existence some twenty years ago, San Francisco, from her position at the very entrance to the tidal waters of the State, was the natural stop ping place for sca going vessels, and she became a great city because of her favorable nosition to link the ocean commerce by means of river steamers, with the interior trade and business of the State. It may be said that she owes her growth up to the present time, to a great extent at least, to her ocean steamships and her bay and river st. amers. But a geographical position for ocean traffic although absolutely necessary, is not the only condition upon which the growth of a city depends. In these days of rapid communication a posimaintain supremacy as a favorable commercial site. It is a common saying that when capital becomes fixed it will not change; and Sar. Francisco to a great extent at least founds her hopes for future greatness on this dogma. We may admit the truth of the proposition in a general sense, that capital when once fixed, is slow to change; but it must be modified by that other and still more overruling law, that capital is always seeking for the best investment, and will change its location when it becomes its interest to do so. Many instances of such changes could be cited in the histories of other civies, but one more in point than any other, as bearing directly on the future pros pects of Vallejo, is the history of the great steamship lines via Panama and Nicaragua during the past few years. When there was no railroads across the continent, capital sought these lines of communication, was

the requisites of a bold water front and soon as an overland route was opened, travel available space for building purposes, having and trade sought it, and as a consequence proper relations to each other; and that even one line of steamers is already discontinued. these few places possess these indespensable and the stock of the other is very much derequisites only to a limited extent. Of these pressed. So also of the river steamers from places San Francisco and Vallejo are the most San Francisco to Sacramento and Stockton. prominent, and these will doubtless become Only three years sgo these sceamers were the great seats of commerce on the shores of crowded daily with passengers; but now that these waters. Oakland it is true is a rival, we have a railroad from Vallejo to Sacramento particularly since it has become the terminus and from Oakland to Stockton and Sacra of the Central Pacific Railroad. But Oakland mento, the glory of these steamboats has departed; the finer boats have been withdrawn to other lines, and th remainder given up to

In short, capital when once invested may be induced to change, and railroads may bring about the inexorable reasons which produce the change. In fact railroads may become quite as necessary to the growth of a great city as a favorable commercial site. We have only to study the histories of our great American cities like New York, Boston, Philadelphia Baltimere, Chicago, Cincinnati and St. Louis, to be convinced of this truth The history of San Francisco in this connection has vet to be written, for the railroads of this coast are yet in their infancy. I imagine however that her reflecting men have not failed to notice the disadvautages of her isolated position and to see how much better it would be for her, if the Cenlral Pacific Railroad and the Califor nia Pacific Railroad could terminate within her borders. If San Francisco with all her tion is almost, if not quite as necessary to other advantages of position of proximity to the ocean, her magnificent bay, and her capital already fixed, could be the chief railway terminus of California, she would doubtless continue to hold her position as the metropolis of the Pscific. But her position-almost insular, inexorably forbids that she can ever become the chief railway terminus ou this coast. Can she then continue to be her principal city ? This is a question which is now beginning to agitate her citizens and is the question of the day with her capitalists.

That San Francisco will not be the terminus of the Central or Western Pacific Railroads is clearly seen by the action of the managers of these roads. If San Francisco was intended to be the terminus of the great overland railroad, we would see a bridge across the upper portion of the bay, probably at or near Ravenswood; we would see a level railroad brought to the city east of the San Brnno freely invested, and they flourished. But as mountains; we would see a tunnel through

being done : if we could see her citizens and her authorities acting in harmony with the Central and Southern Pacific Railroad Companies to establish the termini of these roads on her wharves, we might conclude that she was determined to make a struggle to retain at least the supremacy. But we fail to see any such struggle. On the contrary, we see the Central Pacific Railroad Company establishing their depots in Oakland. We see extensive wharves and warehonses constructed there. We see the company and its managers securing extensive franchises along the water front and we have a project for dredging out San Antonio creek, extending it to deep water and walling it in, so as to present a long line of secure wharfage to sea going vessels.

What does all this mean? It means so far as the Central Pacific Railroad Company is concerned, that they intend to make this their terminns in Oakland, and it is altogether likely that the Southern Pacific Railroad will go t'iere too. As between San Francisco and

the hill at South San Francisco; extensive Oakland, the decision of this great company piling at Bay view and Mission cove, and the has been made, and Oakland has it to be the railroads brought into t e city. We would railroad terminus. And if Oakland was the also see steps taken to open a side railroad only point on the tidal waters connected with street along the entire water front of the city. San Francisco Bay suitable for such terminus. from the foot of Third street to Megg's wharf or if it was the best place for it, the decision with turpouts to the wharves, so that cars in its favor would be conclusive. But Oakcould be loaded and unloaded from ships- land as yet has no harbor for seagoing vessels. tackle. If we could see these things done, or She has only a long wharf extending out into deep water. Until she excavates a large, secure and deep harbor, no combination of capitalists of railroads and steamship companies can seenre her success as a commercial city.

In the meantime Oakland has a rival with a secure harbor and fine water front already made to order. That rival is Vallejo With these and her other natural advantages, let there be a combination of the Central Pacific and California Pacific Railroads, which is highly probable at an early day, for the interest of both of these roads point in this direction, and then another combinaiton with the China steamers, and Vallejo would be at once converted into the great railway centre of the State; the proposed great harbor at Oakland would probably never be excavated, and Vallejo from that time forward, would contend with San Francisco alone for commercial snpremacy. Very Trnly Yours.

B. S. ALEXANDER, Lt. Col. of Engineers Brevet Brig. Gen. U. S. A.

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AND SELLING GOODS AT LOW RATES FOR CASH. I have just received and shall constantly be in

RECEIPT OF FRESH, PURE AND CAREFULLY SELECTED GOODS

DIRECT FROM THE EASTERN STATES.

'he utmost care and attention will be used in compounding Physicians' Prescriptions at all continuance of the heretofore generous patronage respectfully solicited, and perfect satistion is guaranteed to all patrons.

JAMES FROST, Pharmacist.

AVAL DRUG STORE, 173 GEORGIA STREET, VALLEJO, CAL.

# A. POWELL.

Dealer in all kinds of

# Lumber, Wood

AND

# BUILDING MATERIAL.

# VALLEJO LUMBER YARD,

VIRGINIA STREET WHARF.

ALSO YARDS AT

# South Vallejo and Davisville.

All Materials Sold at these Yards, are of the Very Best Quality.

A large assortment constantly an hand.

ALL ORDERS PROMPTLY ATTENDED TO.

# Vallejo Savings and Commercial Bank.

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J.	В	. FRISBI	E,	-	-	-	-	-	-	President.	
J.	R.	ENGLISH,	-	-	-	-	•	-	-	- Cashier.	
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Board of Directors. J. B. FRISBIE,

L. C. FOWLER.

J. S. TOBIN,

A. T. ROBINSON. McGETTIGAN. CHAS. H. BALDWIN.

Savings Depositors will receive a guarantee of ten per cent, interest per annum according to the terms printed in their Pass Book.

Commercial or General Deposits received, and a general banking business transacted
We are now prepared to draw Exchange on the Atlantic States and Europe in sums

to suit. CHECKS ON SAN FRANCISCO AND SACRAMENTO. HIGHEST PRICE PAID FOR LEGAL TENDERS.

Office hours from 10 a. M. to 4 p. M., but the Bank will keep open on Navy Yard Pay Day evenings for the accomodation of our customers.

CORRESPONDENTS :

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# THE VALLEJO BANK.

(SAVINGS AND LOAN.) CAPITAL STOCK.

\$50,000

EBEN HILTON, 1 1 1 1 PRESIDENT. J. E. ABBOTT, : : : : CASHIER.

TRUSTEES:

EBEN HILTON, A. POWELL. WILLIAM ASPENALL. J. BROWNLIE. H. K. SNOW.

# MONEY LOANED ON GOOD SECURITY

General and Special Deposits Received.

Drafts on San Francisco. A General Banking Business transacted. INTEREST PAID ON DEPOSITS from the time of commencing business (1867) the Bank has never paid less than one per cent. per month interest, to depositors. One per cent. per month is now guaranteed on all interest deposits.

LEGAL TENDER NOTES BOUGHT AND SOLD.

# WASHINGTON HOTEL!

No. 88 & 90 GEORGIA St., BELOW SANTA CLARA.

VALLEJO, CAL.

M. F MORAN, Proprietor of the above long established and well known Hotel, has furnished and refitted it in superior style, with

# NEW AND ELEGANT FURNITURE.

The House contains forty-two bed rooms; each room is supplied with a bran new set of Furniture and each bed room has a superior  $\,$ 

# SPRING MATTRESS

of the most improved manufacture.

The TABLE will be supplied with the best edibles of the season. A BAR is attached to the Hotel.

M. F. MORAN. Proprietor.

E, J. WILSON.

[ A. D. WOOD.

# REAL ESTATE AGENTS

Will attend to the Purchase and Sale of Real Estate of All Description in town and country. All orders promptly attended to.

POST-OFFICE BUILDING, GEORGIA STREET, VALLEJO.

J. S. SMITH,

G. T. SMITH.

SMITH & Co..

DEALERS IN

# Koreign ? Domestic Fruits,

FISH, GAME, POULTRY AND DAIRY PRODUCE.
69 CEORCIA St., Near the Wharf, VALLEJO.



Having added a large and varied assortment of

# New Styles of Type

to the Jobbing Department, we are now prepared to offer a class of work SUPERIOR to any other office in the State, on the shortest notice and most satisfactory terms.

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# VALLEJO CHRONICLE,

DAILY AND WEEKLY,

Has the Largest Circulation of any paper outside of San Francisco and Sacramento on the Pacific Coast, also is the

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FOR SALE.

IN ALL PARTS OF THE CITY AND COUNTY.

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EFFECTED IN RELIABLE COMPANIES.

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Real Estate and Ansurance Agent.

NO. 105 GEORGIA STREET, VALLEJO.

# CAPITOL HOTEL

CORNER VIRGINIA AND BRANCIFORTE STREETS,

VALLEJO, SOLANO Co., CAL.

WILLIAM LIKINS.

PROPRIETOR



# First Class House of Vallejo.

This Hotel is a new building and constructed in modern style, and the rooms are all

LARCE, AIRY AND PLEASANT,

and handsomley furnished in a style to please the most tasteful.

# EXCELLENT ACCOMMODATIONS,

are warranted to permanent and transient guests. The location of the House is within two or three minutes walk of the landing of the daily steamers. The different stages arrive and depart daily from the door.

The undersigned who has long been known to the California public, especially in this part of the State, assures his friends and the public that

# NOTHING SHALL BE WANTING,

on his part to render the Captrol Hotel, a First-Class House, and in every respect worthy of public patronage.

THE TABLE, BAR AND ROOM COMFORTS

shall testify to his desire to render comfortable all who favor his house with their patronage.

WILLIAM LIKINS.

W. H. PETTIS.

J. E. PETTIS.

# PETTIS BROTHERS,

DEALERS IN

# DRY GOODS,

CARPETS, RUGS, OIL CLOTHS,

# BOYS' CLOTHING, SHOES, HATS, BLANKETS, PAPER HANGINGS;

NO. 184 GEORGIA STREFT, VALLEJO, CAL.
AGENTS FOR GROVER & BAKERS SEWING MACHINES

# A. P. VOORHEES.

Has the largest and best selected stock of

# FINE CLOTHING,

Gents' Furnishing Goods, Boots, Shoes, Etc., in the County.

NO. 136 CEORGIA STREET, below Post Office, VALLEJO.

# WILLISTON & BROWNLIE,

WHOLESALE AND RETAIL DEALERS IN

# Groceries, Provisions,

WINES, LIQUORS, CIGARS and TOBACCO.

The Highest Price paid for

# COUNTRY PRODUCE.

M'INNIS BUILDING, GEORGIA St., VALLEJO.

The only well selected stock of Sportsmen's Articles found at this House.